# Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

### Sacramento River Basin

LD0001G Levee District No. 0001 (Glenn County)	Overall LMA Rating	Total LMA Miles						
	M	12.23						
Rated Item		Maintena	nce Deficiancy		Enforc	ement		& System scence
Nated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation	0.96		0.96	7.85%				
Trim / Thin Trees	0.13		0.13	1.06%				
Encroachments	0.01		0.01	0.08%	0.37	1.18		
Animal Control	0.21	0.21	1.05	8.58%				
Slope Stability	0.02		0.02	0.16%				
Emergency Supplies & Equipment	0.12		0.12	0.98%				
Flood Preparedness & Training	0.12		0.12	0.98%				
Supplemental								
DWR UCIP Field Study					0.19	0.04		
LMA Totals:	1.57	0.21	2.41	19.70%	0.56	1.22	0.00	0.00

LD0001S Levee District No. 0001 (Sutter County)	Overall LMA Rating	Total LMA Miles 16.11						
Rated Item		Maintena	nce Deficiancy		Enforc	ement	Design 8 Obsole	
Rated item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation	32.16	0.02	32.24	200.11%				
Trim / Thin Trees	0.01		0.01	0.06%				
Encroachments					0.05	0.02		
Animal Control	0.01		0.01	0.06%				
Slope Stability	0.04		0.04	0.25%				
Supplemental								
DWR UCIP Field Study					0.11	0.01		
LMA Totals:	32.22	0.02	32.30	200.48%	0.16	0.03	0.00	0.00

LD0002 Levee District No. 0002 (Glenn County)	Overall LMA Rating	Total LMA Miles						
, , , , , , , , , , , , , , , , , , ,	U	4.90						
Rated Item		Maintena	nce Deficiancy		Enforc	ement	Design 8 Obsole	System scence
Nateu item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation	0.43		0.43	8.78%	0.01			
Encroachments	0.05		0.05	1.02%	0.02			
Animal Control	0.21	0.13	0.73	14.90%				
Crown Surface / Depressions / Rutting	0.01		0.01	0.20%				
Flood Preparedness & Training	0.05		0.05	1.02%				
Supplemental								
2015 USACE Erosion Survey, DRAFT	0.21		0.21	4.29%				
DWR UCIP Field Study					0.13	0.01		
LMA Totals:	0.96	0.13	1.48	30.20%	0.16	0.01	0.00	0.00

# Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

LD0003	Overall LMA	Total LMA						
Levee District No. 0003 (Glenn County)	Rating	Miles						
	U	11.97						
Rated Item		Maintena	nce Deficiancy		Enforc	ement		& System escence
Nateu item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation						0.03		
Trim / Thin Trees	0.36	0.01	0.40	3.34%				
Encroachments	0.15		0.15	1.25%	0.81	0.07		
Animal Control	0.41	1.27	5.49	45.86%				
Slope Stability	0.08	0.01	0.12	1.00%				
Erosion / Bank Caving		0.01	0.04	0.33%				
Supplemental								
2015 USACE Erosion Survey, DRAFT	0.30		0.30	2.51%				
DWR UCIP Field Study					0.15			
LMA Totals:	1.30	1.30	6.50	54.30%	0.96	0.10	0.00	0.00

LD0009 Levee District No. 0009 (Sutter County)	Overall LMA Rating	Total LMA Miles 6.25						
			nce Deficiancy		Enforce	ement		k System
Rated Item		Iviali ilei ia			Lilloic	ement	Obsole	scence
rated item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Encroachments					0.35			
Animal Control	0.01		0.01	0.16%				
Supplemental								
DWR UCIP Field Study					0.07	0.03		

MA0001 Sutter Maintenance Yard Maintenance	Overall LMA Rating	Total LMA Miles						
Area 0001	Α	16.76						
Rated Item		Maintenance Deficiancy Enforcement					Design & System Obsolescence	
Nateu item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles U Miles		M Miles	U Miles
Earthen Levee								
Vegetation	0.27		0.27	1.61%	0.02	0.03		
Trim / Thin Trees	0.05		0.05	0.30%				
Encroachments					1.91	1.34		
Animal Control	0.01		0.01	0.06%				
Slope Stability	0.09		0.09	0.54%				
Erosion / Bank Caving	0.04		0.04	0.24%				
Supplemental								
2015 USACE Erosion Survey, DRAFT	0.63		0.63	3.76%				
DWR UCIP Field Study					0.35	0.09		
LMA Totals:	1.09	0.00	1.09	6.50%	2.28	1.46	0.00	0.00

# Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

MA0003 Sutter Maintenance Yard Maintenance	Overall LMA Rating	Total LMA Miles						
Area 0003	A	5.11						
Rated Item		Maintena					n & System plescence	
Rated item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Trim / Thin Trees	0.01		0.01	0.20%				
Encroachments					0.05			
Animal Control	0.03		0.03	0.59%				
Supplemental								
2015 USACE Erosion Survey, DRAFT	0.09		0.09	1.76%				
DWR UCIP Field Study					0.03	0.02		
LMA Totals:	0.13	0.00	0.13	2.54%	0.08	0.02	0.00	0.00

MA0004 Sacramento Maintenance Yard Maintenance Area 0004	Overall LMA Rating M *	Total LMA Miles	Overall LMA Threshold Percent is less than 10.00%;     however, U Rated Miles are present, so the Overall LMA     Rating is M instead of A.								
Rated Item	W		nce Deficiancy	Enforc	& System scence						
Rateu Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles			
Earthen Levee							M Miles U Miles				
Vegetation					0.01						
Encroachments	0.01		0.01	0.29%	0.29	0.02					
Animal Control	0.01	0.01	0.05	1.44%							
Slope Stability	0.04		0.04	1.15%							
Erosion / Bank Caving	0.02		0.02	0.58%							
Supplemental											
DWR UCIP Field Study					0.04						
LMA Totals:	0.08	0.01	0.12	3.45% *	0.34	0.02	0.00	0.00			

MA0005 Sutter Maintenance Yard Maintenance Area 0005	Overall LMA Rating M *	Total LMA Miles 32.84	Overall LMA Threshold Percent is less than 10.00%;     however, U Rated Miles are present, so the Overall LMA     Rating is M instead of A.					
Pate dillere		Maintena	nce Deficiancy		Enforc	Design & System Obsolescence		
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation	0.02		0.02	0.06%	0.09	0.11		
Trim / Thin Trees	0.19		0.19	0.58%				
Encroachments	0.04		0.04	0.12%	4.92	0.17		
Animal Control	0.03	0.02	0.11	0.33%				
Slope Stability	0.09	0.01	0.13	0.40%				
Erosion / Bank Caving	0.02	0.01	0.06	0.18%				
Supplemental								
DWR UCIP Field Study					0.30	0.02		
LMA Totals:	0.39	0.04	0.55	1.67% *	5.31	0.30	0.00	0.00

# Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

Unit No. 01 Butte Creek LB	Overall Unit Rating	Total Unit Miles	U Rated Mile	Threshold Perceres are present, so				
MA0005	M *	15.08	instead of A					
Detectives		Maintena	nce Deficiancy		Enforc	cement		& System escence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee	0.04		0.04	0.070/	0.00	0.44	I	
Vegetation	0.01		0.01	0.07%	0.09	0.11		
Trim / Thin Trees	0.16		0.16	1.06%				
Encroachments	0.01		0.01	0.07%	3.24	0.12		
Slope Stability	0.05		0.05	0.33%				
Erosion / Bank Caving	0.01	0.01	0.05	0.33%				
Supplemental	I	l	Ī		2.12	T	I	I
DWR UCIP Field Study					0.12			
Unit Totals:	0.24	0.01	0.28	1.86% *	3.45	0.23	0.00	0.00
Unit No. 02 Butte Creek RB	Overall Unit Rating	Total Unit Miles		Threshold Perceres are present, so				
MA0005	M *	16.27	instead of A					
		Maintena	nce Deficiancy		Enforc	cement		& System escence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation	0.01		0.01	0.06%				
Trim / Thin Trees	0.03		0.03	0.18%				
Encroachments	0.03		0.03	0.18%	1.68	0.05		
Animal Control	0.03	0.02	0.11	0.68%				
Slope Stability	0.04	0.01	0.08	0.49%				
Erosion / Bank Caving	0.01		0.01	0.06%				
Supplemental						1		
DWR UCIP Field Study					0.18	0.01		
Unit Totals:	0.15	0.03	0.27	1.66% *	1.86	0.06	0.00	0.00
Unit No. 03 Little Chico Creek Diversion	Overall Unit	Total Unit						
LB	Rating	Miles						
MA0005	Α	1.49						
		Maintena	nce Deficiancy		Enforc	cement		& System scence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Supplemental		000	/ 1000	71001.010 70				0
DWR UCIP Field Study						0.01		
Unit Totals:	0.00	0.00	0.00	0.00%	0.00	0.01	0.00	0.00
2								
MA0007	Overall LMA	Total LMA						
Sutter Maintenance Yard Maintenance	Rating	Miles						
Area 0007	M	11.90						
		Maintena	nce Deficiancy		Enford	cement		& System escence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation	0.12		0.12	1.01%				
Trim / Thin Trees		0.01	0.04	0.34%				
Encroachments					2.71	0.02		
Erosion / Bank Caving	1.70		1.70	14.29%				
Supplemental								
2015 USACE Erosion Survey, DRAFT	0.23		0.23	1.93%				
DWR UCIP Field Study					0.28	0.02		
LMA Totals:	2.05	0.01	2.09	17.57%	2.99	0.04	0.00	0.00
LMA Totals:	2.05	0.01	2.09	17.5/%	2.99	0.04	0.00	

# Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

MA0009 Sacramento Maintenance Yard	Overall LMA Rating	Total LMA Miles	* Overall LMA Threshold Percent is less than 10.00%;     however, U Rated Miles are present, so the Overall LMA     Rating is M instead of A.					
Maintenance Area 0009	M *	19.35	raung is wil	risteau oi A.				
Rated Item	Maintenance Deficiancy				Enforc	ement	Design 8 Obsole	System scence
Nateu item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation	0.11		0.11	0.57%	1.33	0.18		
Trim / Thin Trees	0.23	0.01	0.27	1.40%				
Encroachments	0.06		0.06	0.31%	2.65	0.08		
Animal Control	0.03	0.01	0.07	0.36%				
Slope Stability	0.26		0.26	1.34%				
Erosion / Bank Caving	0.04		0.04	0.21%				
Cracking							0.01	
Supplemental								
2015 USACE Erosion Survey, DRAFT	0.39		0.39	2.02%				
DWR UCIP Field Study					0.75	0.13		
LMA Totals:	1.12	0.02	1.20	6.20% *	4.73	0.39	0.01	0.00

MA0012 Sutter Maintenance Yard Maintenance	Overall LMA Rating	Total LMA Miles						
Area 0012	M	11.06						
Rated Item		Maintena	nce Deficiancy		Enforc	ement		& System scence
Rateu item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation	0.80		0.80	7.23%				
Encroachments					0.05	2.28		
Animal Control	0.02		0.02	0.18%				
Slope Stability	0.01		0.01	0.09%				
Crown Surface / Depressions / Rutting	0.78	0.04	0.94	8.50%				
Supplemental								
2015 USACE Erosion Survey, DRAFT	0.05		0.05	0.45%				
DWR UCIP Field Study					0.11	0.03		
LMA Totals:	1.66	0.04	1.82	16.45%	0.16	2.31	0.00	0.00

MA0013 Sutter Maintenance Yard Maintenance	Overall LMA Rating	Total LMA Miles	however, U Rated Miles are present, so the Overall LMA					
Area 0013	M *	41.03	Rating is M instead of A.					
Rated Item		Maintena						System scence
Kateu item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation	1.53		1.53	3.73%	0.13			
Trim / Thin Trees	0.37	0.01	0.41	1.00%				
Encroachments	0.06		0.06	0.15%	12.21	0.26		
Animal Control	0.04	0.02	0.12	0.29%				
Slope Stability	0.04		0.04	0.10%				
Erosion / Bank Caving	0.03		0.03	0.07%				
Supplemental								
2015 USACE Erosion Survey, DRAFT	0.01		0.01	0.02%				
DWR UCIP Field Study					0.51	0.08		
LMA Totals:	2.08	0.03	2.20	5.36% *	12.85	0.34	0.00	0.00

# Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

Unit No. 01 Cherokee Canal RB	Overall Unit Rating	Total Unit Miles	U Rated Mile	Threshold Perceres are present, so				
MA0013	M *	18.19	instead of A.		_			
Rated Item		Maintena	nce Deficiancy		Enforc	ement		System scence
Rateu item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee		T				ı		
Vegetation	0.90		0.90	4.95%	0.07			
Trim / Thin Trees	0.04	0.01	0.08	0.44%				
Encroachments	0.01		0.01	0.06%	3.11	0.01		
Animal Control	0.01		0.01	0.06%				
Slope Stability	0.02		0.02	0.11%				
Erosion / Bank Caving	0.01		0.01	0.06%				
Supplemental	l	I	T			T	ı	
2015 USACE Erosion Survey, DRAFT	0.01		0.01	0.06%				
DWR UCIP Field Study					0.20	0.05		
Unit Totals:	1.00	0.01	1.04	5.72% *	3.38	0.06	0.00	0.00
Unit No. 02 Cherokee Canal LB	Overall Unit Rating	Total Unit Miles			eshold Percent is less than 10.00%; however, re present, so the Overall Unit Rating is M			
MA0013	M *	22.84	instead of A.					
		Maintena	nce Deficiancy		Enforc	ement		k System
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %		U Miles		Scence LI Miles
Earthen Levee		000				000	1	•
Vegetation	0.63		0.63	2.76%	0.06			
Trim / Thin Trees	0.33		0.33	1.45%				
Encroachments	0.05		0.05	0.22%	9.10	0.25		
Animal Control	0.03	0.02	0.11	0.48%				
Slope Stability	0.02		0.02	0.09%				
Erosion / Bank Caving	0.02		0.02	0.09%				
Supplemental								
DWR UCIP Field Study					0.31	0.03		
Unit Totals:	1.08	0.02	1.16	5.08% *	9.47	0.28	0.00	0.00
MA0016	Overall LMA Rating	Total LMA Miles						
Sutter Maintenance Yard Maintenance Area 0016	U	4.06						
Arca 0010			5 (1)				Design 8	& System
Rated Item		1	nce Deficiancy					scence
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee Vegetation	1.08		1.08	26.60%	0.04			
Encroachments	1.00		1.00	20.00 /0	0.04	0.05		
Supplemental					0.39	0.03		
DWR UCIP Field Study					0.02			
LMA Totals:	1.08	0.00	1.08	26.60%	0.45	0.05	0.00	0.00
LIVIA TOLAIS.	1.00	0.00	1.00	20.00 /0	0.40	0.00	0.00	0.00

# Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

MA0017 Sutter Maintenance Yard Maintenance	Overall LMA Rating	Total LMA Miles						
Area 0017	U	3.87						
Rated Item		Maintena	nce Deficiancy		Enforc	ement	Design 8 Obsole	
Rateu item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation	0.10		0.10	2.58%				
Trim / Thin Trees	0.01	2.94	11.77	303.77%				
Supplemental								
DWR UCIP Field Study					0.06	0.03		
LMA Totals:	0.11	2.94	11.87	306.35%	0.06	0.03	0.00	0.00

NA0001	Overall LMA	Total LMA							
American River Flood Control District	Rating	Miles							
	Α	34.47							
Rated Item		Maintena						esign & System Obsolescence	
Nateu item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
Earthen Levee									
Vegetation	0.05		0.05	0.15%	0.73	0.38			
Encroachments					1.07	3.34			
Animal Control	0.02		0.02	0.06%					
Slope Stability	0.08		0.08	0.23%					
Supplemental									
2015 USACE Erosion Survey, DRAFT	0.04		0.04	0.12%					
DWR UCIP Field Study					0.96	0.07			
LMA Totals:	0.19	0.00	0.19	0.55%	2.76	3.79	0.00	0.00	

# Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

Unit No. 01 Arcade Creek LB	Overall Unit	Total Unit						
Office Of Arcade Greek LD	Rating	Miles						
NA0001	A	2.08						
		Maintena	nce Deficiancy		Enforc	ement		& System scence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation	0.01		0.01	0.48%	0.04	0.03		
Encroachments					0.30	0.27		
Slope Stability	0.04		0.04	1.92%				
Supplemental DWR UCIP Field Study					0.09	0.02		
Unit Totals:	0.05	0.00	0.05	2.40%	0.43	0.32	0.00	0.00
We'll No. 00 Notes to E. Compile D	0	Tarattlan			l			
Unit No. 02 Natomas E Canal LB	Overall Unit Rating	Total Unit Miles						
NA0001	A	3.93						
NAGGOT	7.		nce Deficiancy		Enforc	ement	Design 8	& System
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles		Obsole M Miles	U Miles
Earthen Levee		000		7		•		000
Encroachments					0.02			
Animal Control	0.01		0.01	0.25%				
Slope Stability	0.03		0.03	0.76%				
Supplemental DWR LICID Field Study	I				0.11	0.01		
DWR UCIP Field Study  Unit Totals:	0.04	0.00	0.04	1.02%	0.11	0.01	0.00	0.00
Unit rotals.	0.04	0.00	0.04	1.02 /6	0.13	0.01	0.00	0.00
Unit No. 03 American River RB	Overall Unit Rating	Total Unit Miles						
NA0001	Α	2.86						
Rated Item		Maintena	nce Deficiancy		Enforc	ement		& System scence
Kaleu ilem	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee Encroachments					0.01			
Supplemental					0.01			
DWR UCIP Field Study					0.09			
Unit Totals:	0.00	0.00	0.00	0.00%	0.10	0.00	0.00	0.00
Unit No. 04 American River LB	Overall Unit Rating	Total Unit Miles						
NA0001	A	10.86						
14/10001			nce Deficiancy		Enforc	ement		& System
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles		M Miles	U Miles
Earthen Levee	IVI IVIIIOO	O WILLOW		Till Colloid 70	W W W	C IVIIICO	101 1011100	0 1111100
Vegetation	0.04		0.04	0.37%	0.58	0.20		
Encroachments					0.32	1.50		
Animal Control	0.01		0.01	0.09%				
Supplemental 2015 USACE Erosion Survey, DRAET	0.04		0.04	0.270/				
2015 USACE Erosion Survey, DRAFT  DWR UCIP Field Study	0.04		0.04	0.37%	0.26	0.03		
Unit Totals:	0.00	0.00	0.09	0.83%	0.26	0.02	0.00	0.00
Unit Totals.	0.09	0.00	0.09	0.03%	1.16	1.72	0.00	0.00

# Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

Unit No. 05 Sacramento River LB	Overall Unit Rating	Total Unit Miles						
NA0001	A	0.41						
		Maintena	nce Deficiancy		Enforc	ement	Design 8 Obsole	
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation					0.08	0.07		
Unit Totals:	0.00	0.00	0.00	0.00%	0.08	0.07	0.00	0.00
Unit No. 06 Linda Creek LB	Overall Unit Rating	Total Unit Miles						
NA0001	Α	1.30						-
Rated Item		Maintena	nce Deficiancy		Enforc	ement	Design & Obsole	k System scence
Nateu item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Supplemental				ı			ı	
DWR UCIP Field Study					0.02			
Unit Totals:	0.00	0.00	0.00	0.00%	0.02	0.00	0.00	0.00
Unit No. 07 Arcade Creek RB	Overall Unit Rating	Total Unit Miles						
NA0001	Α	1.93			_			
Dated Itam		Maintena	nce Deficiancy		Enforc	ement		& System scence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee			T	T		T	I	
Vegetation					0.01	0.05		
Encroachments					0.04	0.19		
Slope Stability	0.01		0.01	0.52%				
Supplemental  DWR UCIP Field Study					0.03	0.02		
Unit Totals:	0.01	0.00	0.01	0.52%	0.03	0.02	0.00	0.00
Offit Totals.	0.01	0.00	0.01	0.52 /6	0.06	0.20	0.00	0.00
Unit No. 08 Magpie Creek Diversion LB	Overall Unit Rating	Total Unit Miles						
NA0001	A	1.44					l 5 · 6	
Rated Item		Maintena	nce Deficiancy		Enforc	ement	Obsole	k System scence
Nateu item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee						0.00	I	
Vegetation					0.00	0.03		
Supplemental Encroachments					0.36	0.54		
DWR UCIP Field Study					0.02			
Unit Totals:	0.00	0.00	0.00	0.00%	0.38	0.57	0.00	0.00
Unit No. 09 American River RB	Overall Unit	Total Unit	0.00	0.0070	0.00	0.07	0.00	0.00
	Rating	Miles						
NA0001	A	4.20					Design 8	& System
Rated Item	M Miles	Maintena U Miles	M + 4U Miles	Threshold %	Enforce M Miles	U Miles		Scence U Miles
Earthen Levee								
Vegetation					0.01			
Encroachments						0.22		
Supplemental DWB LICID Field Study					0.42			
DWR UCIP Field Study  Unit Totals:	0.00	0.00	0.00	0.009/	0.12	0.22	0.00	0.00
Unit Totals:	0.00	0.00	0.00	0.00%	0.13	0.22	0.00	0.00

# Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

Unit No. 10 American River RB	Overall Unit	Total Unit						
	Rating	Miles						
NA0001	Α	3.90						
Rated Item		Maintena	nce Deficiancy		Enforc	ement		& System scence
Natod Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee	l		l		0.01	0.62	Ι	
Supplemental Encroachments					0.01	0.62		
DWR UCIP Field Study					0.15			
Unit Totals:	0.00	0.00	0.00	0.00%	0.16	0.62	0.00	0.00
Unit No. 11 New Linda Creek LB	Overall Unit	Total Unit						
	Rating	Miles						
NA0001	A	0.73					Decise 6	Custom
Rated Item		Maintena	nce Deficiancy			ement		& System scence
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Supplemental DWR UCIP Field Study			I		0.04			
Unit Totals:	0.00	0.00	0.00	0.00%	0.04	0.00	0.00	0.00
			0.00	0.0070	0.01	0.00	0.00	0.00
Unit No. 12 American River LB	Overall Unit Rating	Total Unit Miles						
NA0001	A	0.84						
TVACOUT	,,		nce Deficiancy		Enforc	ement		& System
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %		U Miles	M Miles	U Miles
Earthen Levee	IVI IVIIIOO	O Williou	10 10 10 10 10 10 10 10 10 10 10 10 10 1	Till Colloid 70	101 1011100	C IVIIICO	101 1011100	O WILLOO
Vegetation					0.01			
Encroachments					0.01			
Supplemental DND LIGID Field Street	I		I		0.00	Γ	Γ	
DWR UCIP Field Study  Unit Totals:	0.00	0.00	0.00	0.00%	0.03	0.00	0.00	0.00
Offit Totals.	0.00	0.00	0.00	0.00 /6	0.03	0.00	0.00	0.00
NA0002	Overall LMA	Total LMA						
Brannan Andrus Levee Maintenance	Rating	Miles						
District	U	17.55			ı		Docian S	& System
Rated Item			nce Deficiancy			ement	Obsole	scence
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee Vegetation	0.44	0.68	3.16	18.00%	0.04	0.36		
Trim / Thin Trees	0.42	0.87	3.90	22.22%	0.01	2.00		
Encroachments	0.07	0.02	0.15	0.85%	0.37			
Animal Control	0.01	0.01	0.05	0.28%				
Slope Stability		0.01	0.04	0.23%				
Erosion / Bank Caving	0.01	0.01	0.05	0.28%				
Interior Drainage & Piping Systems			I					
Metal Pipes						0.01		
Supplemental 2015 USACE Erosion Survey, DRAFT	0.34	0.74	3.30	18.80%				
DWR UCIP Field Study	0.04	0.77	0.00	10.0070	0.46	0.08		
LMA Totals:	1.29	2.34	10.65	60.67%	0.88	0.45	0.00	0.00
LIVIA TOTALS.	1.20	2.07	10.00	00.01 /0	0.00	0.70	0.00	0.00

# Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

acramento River Basiii (cont.)								
Unit No. 01 Georgiana Slough RB	Overall Unit Rating	Total Unit Miles						
NA0002	U	6.01						
		Maintena	nce Deficiancy		Enforc	ement		& System escence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	
Earthen Levee	ı	1	l				1	T
Vegetation	0.08	0.20	0.88	14.64%	0.02	0.10		
Trim / Thin Trees	0.12	0.03	0.24	3.99%				
Encroachments	0.01	0.01	0.05	0.83%	0.12			
Animal Control	0.01	0.01	0.05	0.83%				
Slope Stability		0.01	0.04	0.67%				
Interior Drainage & Piping Systems	ı	1	I					
Metal Pipes						0.01		
Supplemental PWR LIGHT Field Charles					0.40	0.00		
DWR UCIP Field Study	0.00	0.00	4.00	00.0007	0.13	0.03	0.00	0.00
Unit Totals:	0.22	0.26	1.26	20.96%	0.27	0.14	0.00	0.00
Unit No. 02 Sacramento River LB	Overall Unit Rating	Total Unit Miles						
NA0002	U	11.54						
			nce Deficiancy		Enforc	ement	ement Design & Obsoles	
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee	0.26	0.40	2.20	10.750/	0.00	0.26	I	l
Vegetation	0.36	0.48	2.28	19.75%	0.02	0.26		
Trim / Thin Trees	0.30	0.84	3.66	31.71%	0.01			
Encroachments	0.06	0.01	0.10	0.87%	0.25			
Erosion / Bank Caving	0.01	0.01	0.05	0.43%				
2015 USACE Erosion Survey, DRAFT	0.34	0.74	3.30	28.59%				
DWR UCIP Field Study	0.54	0.74	3.30	20.5576	0.33	0.05		
Unit Totals:	1.07	2.08	9.39	01 250/	0.55	0.03	0.00	0.00
Unit Totals.	1.07	2.06	9.39	81.35%	0.61	0.31	0.00	0.00
NA0003	Overall LMA	Total LMA	+ Overall I MA	Threshold Perce	nt is loss th	an 10 00%	· ·	
Butte County Department of Public	Rating	Miles		Rated Miles are p				
Works	M *	23.78	Rating is M	instead of A.				
		Maintena	nce Deficiancy		Enforc	ement		& System escence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	
Earthen Levee								
Vegetation	0.25		0.25	1.05%	0.17	0.14		
Trim / Thin Trees	0.64	0.04	0.80	3.36%				
Encroachments					0.56	0.59		
Animal Control	0.01		0.01	0.04%				
Slope Stability	0.06		0.06	0.25%				
Supplemental								
2015 USACE Erosion Survey, DRAFT	0.06		0.06	0.25%				
DWR UCIP Field Study					0.49			
LMA Totals:	1.02	0.04	1.18	4.96% *	1.22	0.73	0.00	0.00
		1	I .	1				

# Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

	0 "11"	T 4 111 %						
Unit No. 01 Mud Creek RB	Overall Unit Rating	Total Unit Miles						
NA0003	A	6.80						
		Maintena	nce Deficiancy		Enforc	ement		& System escence
Rated Item  Earthen Levee	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Vegetation	0.02		0.02	0.29%	0.16	0.14		
Trim / Thin Trees	0.01		0.01	0.15%				
Encroachments					0.25	0.09		
Animal Control	0.01		0.01	0.15%				
Supplemental								
2015 USACE Erosion Survey, DRAFT	0.06		0.06	0.88%				
DWR UCIP Field Study					0.10			
Unit Totals:	0.10	0.00	0.10	1.47%	0.51	0.23	0.00	0.00
Unit No. 02 Mud Creek LB	Overall Unit Rating	Total Unit Miles						
NA0003	Α	7.96						
		Maintena	nce Deficiancy		Enforc	ement		& System
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee	IVI IVIIIOO	0 1111100	W 1 10 Willion	Till Colloid 70	141 1411100	0 1111100	141 1411100	0 1111100
Vegetation	0.06		0.06	0.75%	0.01			
Trim / Thin Trees	0.20		0.20	2.51%				
Encroachments					0.08	0.32		
Slope Stability	0.02		0.02	0.25%				
Supplemental								
DWR UCIP Field Study					0.19			
Unit Totals:	0.28	0.00	0.28	3.52%	0.28	0.32	0.00	0.00
Unit No. 02A Channel Slough LB	Overall Unit Rating	Total Unit Miles						
NA0003	A	0.26						
14.0000			nce Deficiancy		Enforc	ement		& System
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
No Items	IVI IVIIICS	O WIIICO	W 1 40 WIIICS	Till Colloid 70	IVI IVIIICO	O WIIICO	IVI IVIIICO	O WINCO
Unit Totals:	0.00	0.00	0.00	0.00%				
O'm Totals.	0.00	0.00	0.00	0.0076				
Unit No. 03 Sycamore and Sheep Hollow Creeks RB	Overall Unit Rating	Total Unit Miles						
NA0003	Α	4.05						
Rated Item		Maintena	nce Deficiancy	ficiancy Enforcement			& System scence	
rated term	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee	0.04		0.04	0.050/				
Vegetation	0.01		0.01	0.25%				
Trim / Thin Trees	0.01		0.01	0.25%				
Slope Stability	0.02		0.02	0.49%				
DWR UCIP Field Study					0.09			
Unit Totals:	0.04	0.00	0.04	0.99%	0.09	0.00	0.00	0.00
Office Foldals.	0.04	0.00	0.04	0.3370	0.09	0.00	0.00	0.00

# Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

Unit No. 04 Sycamore and Dry Creeks	Overall Unit	Total Unit						
RB	Rating	Miles						
NA0003	M	2.86						
Rated Item		Maintena	nce Deficiancy		Enforc	ement	Design 8 Obsole	& System scence
Nateu item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation	0.03		0.03	1.05%				
Trim / Thin Trees	0.10	0.04	0.26	9.08%				
Encroachments					0.21	0.18		
Supplemental								
DWR UCIP Field Study					0.10			
Unit Totals:	0.13	0.04	0.29	10.13%	0.31	0.18	0.00	0.00

Unit No. 05 Big Chico Diversion LB	Overall Unit Rating	Total Unit Miles						
NA0003	U	1.85						
Rated Item		Maintena	nce Deficiancy		Enforc	ement	Design 8 Obsole	System scence
Rateu item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation	0.13		0.13	7.04%				
Trim / Thin Trees	0.32		0.32	17.34%				
Encroachments					0.02			
Slope Stability	0.02		0.02	1.08%				
Supplemental								
DWR UCIP Field Study					0.01			
Unit Totals:	0.47	0.00	0.47	25.47%	0.03	0.00	0.00	0.00

NA0004 Marysville Levee Commission	Overall LMA Rating	Total LMA Miles						
.,	U	11.27						
Rated Item		Maintena	nce Deficiancy		Enforc	ement	Design 8 Obsole	k System scence
Rateu item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation	5.83		5.83	51.75%		1.91		
Encroachments					0.14		0.22	
Animal Control	0.04		0.04	0.36%				
Slope Stability	0.13		0.13	1.15%				
Supplemental								
DWR UCIP Field Study					0.26	0.05		
LMA Totals:	6.00	0.00	6.00	53.26%	0.40	1.96	0.22	0.00

# Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

acramento Niver Basin (cont.)	I	T						
Unit No. 01 Simmerly Slough LB	Overall Unit Rating	Total Unit Miles						
NA 0004	A	3.23						
NA0004			nce Deficiancy		Enforc	ement		& System
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee	IVI IVIIICO	O WIIICO	W 1 40 Willes	THICOHOIG 70	IVI IVIIICO	O WIIICO	IVI IVIIICO	O WIIICO
Encroachments							0.22	
Animal Control	0.03		0.03	0.93%				
Supplemental						<u> </u>	<u> </u>	
DWR UCIP Field Study					0.06	0.01		
Unit Totals:	0.03	0.00	0.03	0.93%	0.06	0.01	0.22	0.00
Unit No. 02 Feather River LB	Overall Unit Rating	Total Unit Miles						
NA0004	Α	1.25						
		Maintena	nce Deficiancy		Enforc	ement	Design 8	& System scence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Encroachments					0.04			
Animal Control	0.01		0.01	0.80%				
Slope Stability	0.05		0.05	4.02%				
Supplemental Charles Supplemental					0.00	0.04		
DWR UCIP Field Study  Unit Totals:	0.06	0.00	0.06	4.82%	0.02	0.01	0.00	0.00
Unit rotals.	0.06	0.00	0.06	4.02%	0.06	0.01	0.00	0.00
Unit No. 03 Yuba River RB	Overall Unit Rating	Total Unit Miles						
NA0004	U	6.79						
Date d House		Maintena	nce Deficiancy		Enforc	ement	Design 8 Obsole	& System scence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee		1				1	ı	
Vegetation	5.83		5.83	85.91%		1.91		
Encroachments					0.10			
Slope Stability	0.08		0.08	1.18%				
Supplemental  DWR UCIP Field Study					0.18	0.03		
Unit Totals:	5.91	0.00	5.91	87.09%	0.28	1.94	0.00	0.00
om retails	0.01	0.00	0.01	0.10070	0.20		0.00	0.00
NA0005	Overall LMA	Total LMA						
City of Sacramento	Rating	Miles						
	U	3.67			1		Danier (	& System
Rated Item		Maintena	nce Deficiancy		Enforc	ement		scence
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee Vegetation	0.40		0.40	10.89%				
Trim / Thin Trees	0.40		0.40	10.89%				
Encroachments	0.34		0.54	14.7070	0.41			
Animal Control	0.04	0.01	0.08	2.18%	0.41			
Supplemental	0.04	0.01	0.00	2.10/0				
2015 USACE Erosion Survey, DRAFT	0.13		0.13	3.54%				
DWR UCIP Field Study					0.62	0.01		
LMA Totals:	1.11	0.01	1.15	31.31%	1.03	0.01	0.00	0.00
	1	1	1	1				

# Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

NA0006 Eastern Honcut Creek	Overall LMA Rating	Total LMA Miles						
Lastern Horicut Greek	U	1.46						
Rated Item		Maintena	nce Deficiancy		Enforc	ement		& System escence
Nateu item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation	2.97	0.08	3.29	226.02%				
Trim / Thin Trees	0.02	0.02	0.10	6.87%				
Encroachments					0.79			
Crown Surface / Depressions / Rutting		0.64	2.56	175.87%				
Operations & Maintenance Manuals	0.01		0.01	0.69%				
Emergency Supplies & Equipment	0.01		0.01	0.69%				
Flood Preparedness & Training	0.01		0.01	0.69%				
Supplemental								
DWR UCIP Field Study					0.05			
LMA Totals:	3.03	0.74	5.99	411.51%	0.84	0.00	0.00	0.00

NA0008 Knights Landing Ridge Drainage	Overall LMA Rating	Total LMA Miles						
District	M	12.39						
Dated Here		Maintena	nce Deficiancy		Enforc	ement		System scence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation	0.67		0.67	5.41%				
Encroachments					1.02	0.01		
Animal Control	0.04	0.01	0.08	0.65%				
Erosion / Bank Caving	0.01	0.02	0.09	0.73%				
Cracking	0.01		0.01	0.08%			0.01	
Crown Surface / Depressions / Rutting	0.02		0.02	0.16%				
Seepage / Sandboils								0.13
Supplemental								
2015 USACE Erosion Survey, DRAFT	1.43		1.43	11.54%				
DWR UCIP Field Study					0.11	0.01		
LMA Totals:	2.18	0.03	2.30	18.57%	1.13	0.02	0.01	0.13

# Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

Unit No. 01 Knights Landing Ridge Cut RB	Overall Unit Rating	Total Unit Miles						
NA0008	M	6.36						
		Maintena	nce Deficiancy		Enforc	ement		& System escence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee	0.67		0.07	40.540/		I	ı	I
Vegetation	0.67		0.67	10.54%	0.00			
Encroachments	0.00		2.22	0.000/	0.80			
Animal Control	0.02	0.00	0.02	0.32%				
Erosion / Bank Caving	0.01	0.02	0.09	1.42%				
Crown Surface / Depressions / Rutting	0.01		0.01	0.16%				
Seepage / Sandboils								0.13
Supplemental 2015 USACE Erosion Survey, DRAFT	0.15		0.15	2.36%				
DWR UCIP Field Study	0.15		0.13	2.30 /6	0.08			
Unit Totals:	0.86	0.02	0.94	14.79%	0.08	0.00	0.00	0.13
Offit Totals.	0.00	0.02	0.94	14.79%	0.00	0.00	0.00	0.13
Unit No. 02 Knights Landing Ridge Cut	Overall Unit	Total Unit						
LB	Rating	Miles						
NA0008	U	6.03						
Dated Have		Maintena	nce Deficiancy		Enforcement			& System escence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles U Miles		M Miles	U Miles
Earthen Levee								
Encroachments					0.22	0.01		
Animal Control	0.02	0.01	0.06	0.99%				
Cracking	0.01		0.01	0.17%			0.01	
Crown Surface / Depressions / Rutting	0.01		0.01	0.17%				
Supplemental		T	I			T	1	
2015 USACE Erosion Survey, DRAFT	1.28		1.28	21.22%				
DWR UCIP Field Study					0.03	0.01		
Unit Totals:	1.32	0.01	1.36	22.55%	0.25	0.02	0.01	0.00
NACCOO	Overall LMA	Total LMA						
NA0009	Rating	Miles						
Lake County Watershed Protection District	M	9.89						
			nas Deficiones		Fafore		Design 8	& System
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	Obsole M Miles	U Miles
Earthen Levee		I	1				1	
Vegetation	0.23	0.07	0.51	5.15%	0.11	0.06		
Trim / Thin Trees	0.52		0.52	5.26%				
Encroachments	0.02		0.02	0.20%	0.78	0.19		
Animal Control	0.01		0.01	0.10%				
Slope Stability	0.04		0.04	0.40%				
Supplemental	ı	I	I					
DWR UCIP Field Study					0.25	0.02		
LMA Totals:	0.82	0.07	1.10	11.12%	1.14	0.27	0.00	0.00

# Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

Unit No. 01 Middle Creek LB	Overall Unit	Total Unit						
	Rating	Miles						
NA0009	M	3.35						
Rated Item		Maintena	nce Deficiancy		Enforc	ement		& System scence
Earthen Levee	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Vegetation	0.18	0.07	0.46	13.73%	0.08			
Trim / Thin Trees	0.15		0.15	4.48%				
Encroachments					0.50	0.03		
Slope Stability	0.04		0.04	1.19%				
DWR UCIP Field Study					0.03			
Unit Totals:	0.37	0.07	0.65	19.40%	0.61	0.03	0.00	0.00
			0.00	10.4070	0.01	0.00	0.00	0.00
Unit No. 02 Middle Creek RB	Overall Unit Rating	Total Unit Miles						
NACCO	A	2.66						
NA0009	A	•	nas Deficiones		Coford		Design 8	& System
Rated Item	M Miles	U Miles	nce Deficiancy M + 4U Miles	Threshold %	M Miles	U Miles	Obsole M Miles	1
Earthen Levee	IVI IVIIIES	U ivilles	IVI + 40 IVIIIeS	Tilleshold %	IVI IVIIIES	U ivilles	IVI IVIIIES	U ivilles
Vegetation	0.02		0.02	0.75%				
Trim / Thin Trees	0.19		0.19	7.13%				
Encroachments	0.02		0.02	0.75%	0.20	0.04		
Supplemental								
DWR UCIP Field Study	0.00	0.00	2.22	0.040/	0.08	0.01	0.00	0.00
Unit Totals:	0.23	0.00	0.23	8.64%	0.28	0.05	0.00	0.00
Unit No. 03 Scotts Creek LB	Overall Unit Rating	Total Unit Miles						
NA0009	Α	1.36						
Rated Item		Maintena	nce Deficiancy		Enforc	ement		& System scence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee	0.02		0.02	1.47%		0.06		
Vegetation Trim / Thin Trees	0.02		0.02	4.41%		0.06		
Encroachments	0.00		0.00	4.4170		0.12		
Supplemental						0.12		
DWR UCIP Field Study					0.07			
Unit Totals:	0.08	0.00	0.08	5.88%	0.07	0.18	0.00	0.00
Unit No. 04 Page, Alley and Clover Creek Diversion RB	Overall Unit Rating	Total Unit Miles						
NA0009	A	1.49						
			nce Deficiancy		Enforc	ement		& System
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation					0.03			
Trim / Thin Trees	0.11		0.11	7.40%				
Encroachments					0.07			
Supplemental  DWR UCIP Field Study					0.01	0.01		
Unit Totals:	0.11	0.00	0.11	7.40%	0.01	0.01	0.00	0.00
Unit Totals.	0.11	0.00	0.11	7.4070	0.11	0.01	0.00	0.00

# Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

Unit No. 05 Clover Creek and Clover Creek Diversion LB	Overall Unit Rating	Total Unit Miles						
Creek Diversion LB	Rating							
NA0009	A	1.03						
Rated Item		Maintena	nce Deficiancy		Enforc	ement		& System scence
ivaled item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation	0.01		0.01	0.97%				
Trim / Thin Trees	0.01		0.01	0.97%				
Encroachments					0.01			
Animal Control	0.01		0.01	0.97%				
Supplemental								
DWR UCIP Field Study					0.06			
Unit Totals:	0.03	0.00	0.03	2.91%	0.07	0.00	0.00	0.00

NA0012 Solano County Public Works Mellin	Overall LMA Rating	Total LMA Miles						
Levee	U	0.59						
Rated Item		Maintena	nce Deficiancy		Enforc	ement	Design 8 Obsole	System scence
Rated item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Trim / Thin Trees		0.01	0.04	6.75%				
Encroachments					0.69			
Crown Surface / Depressions / Rutting	0.44		0.44	74.21%				
LMA Totals:	0.44	0.01	0.48	80.96%	0.69	0.00	0.00	0.00

NA0015	Overall LMA	Total LMA						
Plumas County	Rating	Miles						
	U	3.25						
Rated Item		Maintena	nce Deficiancy	Design & Sy Obsolescer				
Nateu Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation	6.44		6.44	198.17%				
Encroachments	0.01		0.01	0.31%	0.04			
Slope Stability	0.05	0.09	0.41	12.62%				
Supplemental								
DWR UCIP Field Study					0.02			
LMA Totals:	6.50	0.09	6.86	211.09%	0.06	0.00	0.00	0.00

### Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

### Sacramento River Basin (cont.)

Sacramento River Basin (cont.)								
Unit No. 01 North Fork Feather River LB	Overall Unit Rating	Total Unit Miles						
NA0015	U	1.89						
5		Maintena	nce Deficiancy		Enforc	ement	Design 8 Obsole	System scence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation	3.78		3.78	199.81%				
Encroachments	0.01		0.01	0.53%	0.03			
Slope Stability	0.02	0.09	0.38	20.09%				
Supplemental		I						
DWR UCIP Field Study					0.01			
Unit Totals:	3.81	0.09	4.17	220.43%	0.04	0.00	0.00	0.00
Unit No. 02 North Fork Feather River RB	Overall Unit Rating	Total Unit Miles						
NA0015	U	1.36						
	Maintenance Deficiancy				Enforc	ement	Design 8 Obsole	System
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee			<u> </u>					
Vegetation	2.66		2.66	195.88%				
Encroachments					0.01			
Slope Stability	0.03		0.03	2.21%				
Supplemental		I						
DWR UCIP Field Study					0.01			
Unit Totals:	2.69	0.00	2.69	198.08%	0.02	0.00	0.00	0.00
NA0016 Sacramento River West Side Levee	Overall LMA Rating	Total LMA Miles		Threshold Perce Rated Miles are p			*	
District	M *	49.64	raung is wi	nstead of A.	1		Daniero 0	0
Rated Item		Maintena	nce Deficiancy		Enforc	ement	Design 8 Obsole	
Nateu item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation	0.02		0.02	0.04%	0.20			
Trim / Thin Trees	0.22		0.22	0.44%				
Encroachments	0.02		0.02	0.04%	4.11	0.02		
Animal Control	0.03	0.02	0.11	0.22%				

0.02

0.01

0.56

0.96

0.04%

0.02%

1.13%

1.93% \*

0.38

4.69

0.02

0.04

0.00

Slope Stability

LMA Totals:

Seepage / Sandboils

DWR UCIP Field Study

Crown Surface / Depressions / Rutting

2015 USACE Erosion Survey, DRAFT

Supplemental

0.02

0.01

0.56

0.88

0.02

1.72

1.72

# Fall 2009 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

NA0018 California Department of Fish and	Overall LMA Rating	Total LMA Miles						
Game Shea Levee	U	0.30						
Rated Item		Maintena	nce Deficiancy		Enforc	ement	Design 8 Obsole	System scence
Nateu item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation	0.27		0.27	89.87%				
Trim / Thin Trees	0.05		0.05	16.64%				
Emergency Supplies & Equipment	0.01		0.01	3.33%				
Flood Preparedness & Training	0.01		0.01	3.33%				
LMA Totals:	0.34	0.00	0.34	113.18%	0.00	0.00	0.00	0.00

NA0019 Tehama County Flood Control and	Overall LMA Rating	Total LMA Miles							
Water Conservation District	M	13.97							
Rated Item		Maintena	nce Deficiancy		Enforc	ement		Design & System Obsolescence	
Rateu item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
Earthen Levee									
Vegetation	1.11		1.11	7.95%	0.05				
Trim / Thin Trees	0.03		0.03	0.22%					
Encroachments	0.08		0.08	0.57%	0.84	0.74			
Animal Control	0.01		0.01	0.07%					
Slope Stability	0.18		0.18	1.29%					
Erosion / Bank Caving	0.05	0.03	0.17	1.22%					
Supplemental							<u>'</u>		
2015 USACE Erosion Survey, DRAFT	0.15		0.15	1.07%					
DWR UCIP Field Study					0.17	0.06			
LMA Totals:	1.61	0.03	1.73	12.39%	1.06	0.80	0.00	0.00	

# Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

acramento River Basin (cont.)	I							
Unit No. 01 Deer Creek LB	Overall Unit Rating	Total Unit Miles						
		4.22						
NA0019	A		5 " '		<i>_</i>		Design 8	& System
Rated Item	M Miles		nce Deficiancy M + 4U Miles	Threshold %	Enforc		Obsole	
Earthen Levee	IVI IVIIIES	U Miles	IVI + 40 IVIIIeS	Threshold %	M Miles	U Miles	M Miles	U Miles
Vegetation	0.04		0.04	0.95%				
Encroachments	0.01		0.01	0.24%	0.68	0.74		
Animal Control	0.01		0.01	0.24%				
Slope Stability	0.04		0.04	0.95%				
Erosion / Bank Caving	0.04		0.04	0.95%				
Supplemental								
2015 USACE Erosion Survey, DRAFT	0.02		0.02	0.47%				
DWR UCIP Field Study					0.11	0.04		
Unit Totals:	0.16	0.00	0.16	3.79%	0.79	0.78	0.00	0.00
Unit No. 02 Deer Creek RB	Overall Unit	Total Unit						
Offic No. 02 Deer Oreek NB	Rating	Miles						
NA0019	A	1.89						
			nce Deficiancy		Enforc	ement		& System
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee	IVI IVIIIOO	O Milloo		71110011010 70	W Willow	<u> </u>	101 1011100	C IVIIICO
Trim / Thin Trees	0.01		0.01	0.53%				
Encroachments	0.03		0.03	1.59%	0.06			
Supplemental								
2015 USACE Erosion Survey, DRAFT	0.05		0.05	2.65%				
DWR UCIP Field Study					0.01	0.01		
Unit Totals:	0.09	0.00	0.09	4.77%	0.07	0.01	0.00	0.00
Unit No. 04 Elder Creek LB	Overall Unit	Total Unit						
	Rating	Miles						
NA0019	M	3.98						
		Maintena	nce Deficiancy		Enforc	ement	Design & Obsole	& System
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation	0.46		0.46	11.55%				
Trim / Thin Trees	0.01		0.01	0.25%				
Encroachments	0.04		0.04	1.00%	0.09			
Slope Stability	0.14		0.14	3.52%				
Supplemental	0.00		0.00	4.540/				
2015 USACE Erosion Survey, DRAFT	0.06		0.06	1.51%	0.00	0.04		
DWR UCIP Field Study	0.74	0.00	0.74	47.000/	0.02	0.01	0.00	0.00
Unit Totals:	0.71	0.00	0.71	17.83%	0.11	0.01	0.00	0.00

# Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

Unit No. 05 Elder Creek RB	Overall Unit Rating	Total Unit Miles						
NA0019	M	3.87						
Rated Item	Maintenance Deficiancy Enforcement						Design 8 Obsole	System scence
Nateu item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation	0.61		0.61	15.75%	0.05			
Trim / Thin Trees	0.01		0.01	0.26%				
Encroachments					0.01			
Erosion / Bank Caving	0.01	0.03	0.13	3.36%				
Supplemental								
2015 USACE Erosion Survey, DRAFT	0.02		0.02	0.52%				
DWR UCIP Field Study					0.03			
Unit Totals:	0.65	0.03	0.77	19.89%	0.09	0.00	0.00	0.00

NA0021 Yolo County Department of Natural	Overall LMA Rating	Total LMA Miles						
Resources	U	0.59						
Rated Item		Maintena	nce Deficiancy		Enforc	ement	Design 8 Obsole	System scence
Rated item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation	0.22	0.20	1.02	173.81%				
Trim / Thin Trees	0.03		0.03	5.11%				
Encroachments	0.02		0.02	3.41%	0.03			
Animal Control	0.03	0.02	0.11	18.74%				
Slope Stability	0.01		0.01	1.70%				
Operations & Maintenance Manuals	0.01		0.01	1.70%				
Supplemental								
DWR UCIP Field Study					0.01			
LMA Totals:	0.32	0.22	1.20	204.49%	0.04	0.00	0.00	0.00

NA0022 Yolo County Service Area 6	Overall LMA Rating	Total LMA Miles						
	U	5.87						
Rated Item		Maintenance Deficiancy				Enforcement		System scence
Kateu item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation	1.54	0.43	3.26	55.57%	0.07	0.35		
Trim / Thin Trees	0.88	0.03	1.00	17.05%				
Encroachments	0.06	0.01	0.10	1.70%	1.32			
Animal Control	0.13	0.21	0.97	16.53%				
Slope Stability	0.04		0.04	0.68%				
Erosion / Bank Caving	0.03	0.01	0.07	1.19%				0.01
Operations & Maintenance Manuals	0.06		0.06	1.02%				
Supplemental							<u>.</u>	
2015 USACE Erosion Survey, DRAFT	0.48		0.48	8.18%				
DWR UCIP Field Study					0.20	0.03		
LMA Totals:	3.22	0.69	5.98	101.94%	1.59	0.38	0.00	0.01

# Fall 2016 Levee Maintenance Deficiency Summary Report

# Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

RD0003	Overall LMA	Total LMA							
Reclamation District No. 0003 Grand	Rating	Miles							
Island	M	28.73							
Rated Item		Maintena	nce Deficiancy		Enforc	ement		Design & System Obsolescence	
Kateu item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
Earthen Levee									
Vegetation	1.04	0.30	2.24	7.80%	0.89	2.06			
Trim / Thin Trees	0.51	0.28	1.63	5.67%	0.01				
Encroachments	0.06	0.05	0.26	0.90%	0.55	0.08			
Slope Stability	0.01		0.01	0.04%					
Erosion / Bank Caving	0.01	0.09	0.37	1.29%					
Supplemental									
2015 USACE Erosion Survey, DRAFT	0.43		0.43	1.50%					
DWR UCIP Field Study					0.69	0.07			
LMA Totals:	2.06	0.72	4.94	17.19%	2.14	2.21	0.00	0.00	

# Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

Unit No. 01 Left Bank Steamboat Slough LB	Overall Unit Rating	Total Unit Miles							
RD0003	U	10.95	-						
INDUOUS			nce Deficiancy		Enforc	ement		System	
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	Obsole M Miles	U Miles	
Earthen Levee									
Vegetation	0.13	0.19	0.89	8.13%	0.11	0.90			
Trim / Thin Trees	0.06	0.18	0.78	7.13%					
Encroachments	0.03	0.03	0.15	1.37%	0.06	0.03			
Slope Stability	0.01		0.01	0.09%					
Erosion / Bank Caving	0.01	0.09	0.37	3.38%					
Supplemental			1			l	I		
2015 USACE Erosion Survey, DRAFT	0.26		0.26	2.38%					
DWR UCIP Field Study					0.24	0.01			
Unit Totals:	0.50	0.49	2.46	22.47%	0.41	0.94	0.00	0.00	
Unit No. 02 Right Bank Sacramento River RB	Overall Unit Rating	Total Unit Miles			nt is less than 10.00%; however, o the Overall Unit Rating is M				
RD0003	M *	17.35	instead of A.						
		Maintena	nce Deficiancy		Enforc	ement	Design 8 Obsole	System	
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
Earthen Levee									
Vegetation	0.05	0.11	0.49	2.82%	0.78	1.16			
Trim / Thin Trees	0.45	0.07	0.73	4.21%	0.01				
Encroachments	0.03	0.02	0.11	0.63%	0.44	0.05			
Supplemental									
2015 USACE Erosion Survey, DRAFT	0.17		0.17	0.98%					
DWR UCIP Field Study					0.45	0.06			
Unit Totals:	0.70	0.20	1.50	8.65% *	1.68	1.27	0.00	0.00	
Unit No. 03 Cross Levee	Overall Unit Rating	Total Unit Miles							
RD0003	U	0.43							
			nce Deficiancy		Enforc	ement	Design 8 Obsole	System	
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
Earthen Levee									
Vegetation	0.86		0.86	197.72%					
Trim / Thin Trees		0.03	0.12	27.59%					
Encroachments					0.05				
Unit Totals:	0.86	0.03	0.98	225.31%	0.05	0.00	0.00	0.00	

# Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

RD0010 Reclamation District No. 0010 Honcut	Overall LMA Rating M *	Total LMA Miles 21.82	Overall LMA Threshold Percent is less than 10.00%;     however, U Rated Miles are present, so the Overall LMA     Rating is M instead of A.					
Rated Item		Maintena						System scence
Rateu item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation	0.57		0.57	2.61%	0.02			
Trim / Thin Trees	0.48		0.48	2.20%				
Encroachments					4.97			
Animal Control	0.46	0.03	0.58	2.66%				
Slope Stability							0.01	
Supplemental								
DWR UCIP Field Study		-			0.42	0.02		
LMA Totals:	1.51	0.03	1.63	7.47% *	5.41	0.02	0.01	0.00

# Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

Unit No. 01 Simmerly Slough RB	Overall Unit	Total Unit							
	Rating	Miles							
RD0010	M	7.65							
Rated Item		Maintena	nce Deficiancy		Enforc	ement	Design 8 Obsole	k System scence	
Raied item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
Earthen Levee									
Vegetation	0.19		0.19	2.48%					
Trim / Thin Trees	0.26		0.26	3.40%					
Encroachments					0.66				
Animal Control	0.38	0.01	0.42	5.49%					
Slope Stability							0.01		
Supplemental			l						
DWR UCIP Field Study					0.19	0.02			
Unit Totals:	0.83	0.01	0.87	11.37%	0.85	0.02	0.01	0.00	
Unit No. 02 Foother Biver I B	Overall Unit	Total Unit			•				
Unit No. 02 Feather River LB	Rating	Miles		Threshold Perceres are present, so					
	M *	11.36	instead of A.		ille Overal	ı Ullı Kallı	ig is ivi		
RD0010	IVI	L			Г	Des Des			
Rated Item		1	nce Deficiancy			ement	Obsole	scence	
. tatou nom	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
Earthen Levee		T							
Vegetation	0.38		0.38	3.35%	0.02				
Trim / Thin Trees	0.22		0.22	1.94%					
Encroachments					4.17				
Animal Control	0.07	0.02	0.15	1.32%					
Supplemental									
DWR UCIP Field Study					0.20				
Unit Totals:	0.67	0.02	0.75	6.60% *	4.39	0.00	0.00	0.00	
Unit No. 03 Honcut Creek LB	Overall Unit	Total Unit							
Offit No. 03 Hoffcut Creek LB	Rating	Miles							
DD0040	A	2.81							
RD0010			5 " :		Ε,		Design 8	& System	
Rated Item		1	nce Deficiancy	<b>T</b>		ement	Obsole		
5 4 4	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
Engraphments					0.14				
Encroachments	0.04		0.04	0.000/	0.14				
Animal Control	0.01		0.01	0.36%					
Supplemental  DWR UCIP Field Study					0.03				
·	0.04	0.00	0.04	0.200/	0.03	0.00	0.00	0.00	
Unit Totals:	0.01	0.00	0.01	0.36%	0.17	0.00	0.00	0.00	

# Fall 2009 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

RD0070	Overall LMA	Total LMA						
Reclamation District No. 0070 Meridian	Rating	Miles						
Recialitation district No. 0070 Meridian	A	23.41						
	7.	_	nce Deficiancy		Enforc	ement		& System
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Trim / Thin Trees	0.04		0.04	0.17%				
Encroachments	0.01		0.01	0.04%	0.79	1.03		
Animal Control	0.02		0.02	0.09%				
Slope Stability	0.05		0.05	0.21%				
Supplemental								
2015 USACE Erosion Survey, DRAFT	0.13		0.13	0.56%				
DWR UCIP Field Study					0.58	0.01		
LMA Totals:	0.25	0.00	0.25	1.07%	1.37	1.04	0.00	0.00
Unit No. 01 Sutter Bypass RB	Overall Unit Rating	Total Unit Miles						
RD0070	Α	7.92						
		Maintena	nce Deficiancy		Enforc	ement		& System scence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Encroachments	0.01		0.01	0.13%	0.02	0.08		
Animal Control	0.01		0.01	0.13%				
Slope Stability	0.02		0.02	0.25%				
Supplemental		T				T	T	
DWR UCIP Field Study					0.20			
Unit Totals:	0.04	0.00	0.04	0.51%	0.22	0.08	0.00	0.00
Unit No. 02 Sacramento River LB	Overall Unit Rating	Total Unit Miles						
RD0070	Α	15.50						
		Maintena	nce Deficiancy		Enforc	ement		& System scence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Trim / Thin Trees	0.04		0.04	0.26%				
Encroachments					0.77	0.95		
Animal Control	0.01		0.01	0.07%				
Slope Stability	0.03		0.03	0.19%				
Supplemental			1					
2015 USACE Erosion Survey, DRAFT	0.13		0.13	0.84%				
DWR UCIP Field Study					0.38	0.01		
Unit Totals:	0.21	0.00	0.21	1.36%	1.15	0.96	0.00	0.00

# Fall 2009 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

RD0108 Reclamation District No. 0108 River Farms	Overall LMA Rating M *	Total LMA Miles 20.92	Overall LMA Threshold Percent is less than 10.00%;     however, U Rated Miles are present, so the Overall LMA     Rating is M instead of A.					
Rated Item		Maintena	ance Deficiancy Enforcement Design & Syst Obsolescence					
Nateu Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Encroachments	0.02		0.02	0.10%	0.37			
Animal Control	0.01	0.01	0.05	0.24%				
Crown Surface / Depressions / Rutting	1.28		1.28	6.12%				
Supplemental								
2015 USACE Erosion Survey, DRAFT	0.07		0.07	0.34%				
DWR UCIP Field Study					0.08			
LMA Totals:	1.38	0.01	1.42	6.79% *	0.45	0.00	0.00	0.00

RD0150 Reclamation District No. 0150 Merrit Island	Overall LMA Rating M *	Total LMA Miles	* Overall LMA Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall LMA Rating is M instead of A.					
Island	IVI "		, and the second				Design 8	k System
Rated Item		Maintena	nce Deficiancy		Enforc	ement		scence
Nateu item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation	0.06		0.06	0.34%	0.52	0.82		
Trim / Thin Trees	0.02	0.01	0.06	0.34%				
Encroachments	0.12		0.12	0.68%	0.54	0.03		
Animal Control	0.01	0.01	0.05	0.28%				
Slope Stability	0.06		0.06	0.34%			0.02	
Erosion / Bank Caving	0.06	0.02	0.14	0.79%			0.05	0.02
Crown Surface / Depressions / Rutting	0.01		0.01	0.06%				
Supplemental								
2015 USACE Erosion Survey, DRAFT	0.05		0.05	0.28%			9.39	
DWR UCIP Field Study					0.28	0.04		
LMA Totals:	0.39	0.04	0.55	3.10% *	1.34	0.89	9.46	0.02

# Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

Unit No. 01 Sutter Slough LB	Overall Unit	Total Unit						
_	Rating	Miles						
RD0150	M	0.52						
Data di Kara		Maintena	nce Deficiancy		Enforc	ement	Design 8 Obsole	
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Encroachments	0.01		0.01	1.93%				
Supplemental						I	I	
2015 USACE Erosion Survey, DRAFT	0.05		0.05	9.63%				
Unit Totals:	0.06	0.00	0.06	11.55%	0.00	0.00	0.00	0.00
Unit No. 02 Sacramento River RB	Overall Unit Rating	Total Unit Miles						
RD0150	Α	7.81						
		Maintena	nce Deficiancy		Enforc	ement		k System scence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation	0.02		0.02	0.26%	0.31	0.48		
Encroachments	0.06		0.06	0.77%	0.11	0.02		
Slope Stability	0.03		0.03	0.38%				
Erosion / Bank Caving	0.02		0.02	0.26%				
Supplemental								
DWR UCIP Field Study					0.17	0.02		
Unit Totals:	0.13	0.00	0.13	1.66%	0.59	0.52	0.00	0.00
Unit No. 03 Elk Slough LB	Overall Unit Rating	Total Unit Miles	U Rated Mile	Threshold Percer es are present, so				
RD0150	M *	9.41	instead of A.					
Data di Itana		Maintena	nce Deficiancy		Enforc	ement		k System scence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation	0.04		0.04	0.43%	0.21	0.34		
Trim / Thin Trees	0.02	0.01	0.06	0.64%				
Encroachments	0.05		0.05	0.53%	0.43	0.01		
Animal Control	0.01	0.01	0.05	0.53%				
Slope Stability	0.03		0.03	0.32%			0.02	
Erosion / Bank Caving	0.04	0.02	0.12	1.27%			0.05	0.02
Crown Surface / Depressions / Rutting	0.01		0.01	0.11%				
Supplemental Supplemental			l e				0.00	
2015 USACE Erosion Survey, DRAFT					0.44	0.00	9.39	
DWR UCIP Field Study	0.00	0.04	2.22	0.000/	0.11	0.02	0.40	0.00
Unit Totals:	0.20	0.04	0.36	3.82% *	0.75	0.37	9.46	0.02

# Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

RD0307	Overall LMA	Total LMA						
Reclamation District No. 0307 Lisbon	Rating	Miles						
	U	6.56						
		Maintena	nce Deficiancy		Enforc	ement		& System escence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	1
Earthen Levee							1	1
Vegetation	0.07	0.17	0.75	11.43%				
Trim / Thin Trees	0.06		0.06	0.91%				
Encroachments	0.07	0.02	0.15	2.29%	0.05	0.10		
Animal Control	1.57	0.03	1.69	25.75%				
Flood Preparedness & Training	0.07		0.07	1.07%				
Supplemental		I					1	1
2015 USACE Erosion Survey, DRAFT	0.46		0.46	7.01%				
DWR UCIP Field Study					0.28	0.04		
LMA Totals:	2.30	0.22	3.18	48.46%	0.33	0.14	0.00	0.00
DD0044	O. 10 mg   1   1   1   1   1	Tatalina						
RD0341	Overall LMA Rating	Total LMA Miles						
Reclamation District No. 0341 Sherman Island	U	9.64						
Island			5 (1)				Design 8	& System
Rated Item			nce Deficiancy			ement	Obsole	scence
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee Vegetation	0.94	3.66	15.58	161.66%				
Trim / Thin Trees	0.94	3.00	0.21	2.18%				
Encroachments	0.21		0.21	2.10%	0.03			
Supplemental					0.03			
2015 USACE Erosion Survey, DRAFT	0.04	0.38	1.56	16.19%				
DWR UCIP Field Study	0.0.	0.00		1011070	0.45	0.01		
LMA Totals:	1.19	4.04	17.35	180.03%	0.48	0.01	0.00	0.00
					0.10	0.0.	0.00	0.00
Unit No. 01 Threemile Slough RB	Overall Unit	Total Unit						
	Rating	Miles						
RD0341	U	3.36			1		Danier (	Custom
Rated Item		Maintena	nce Deficiancy		Enforc	ement		& System escence
Nated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee				22.222		ı	ı	
Vegetation	0.36	0.10	0.76	22.62%				
Supplemental DWR UCIP Field Study	I				0.16		1	
Unit Totals:	0.36	0.10	0.76	22.62%	0.16	0.00	0.00	0.00
Unit rotals.	0.30	0.10	0.76	22.0270	0.16	0.00	0.00	0.00
Unit No. 02 Sacramento River LB	Overall Unit	Total Unit						
	Rating	Miles						
RD0341	U	6.28						
5		Maintena	nce Deficiancy		Enforc	ement		& System escence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	
Earthen Levee								
Vegetation	0.58	3.56	14.82	236.08%				
Trim / Thin Trees	0.21		0.21	3.35%				
Encroachments					0.03			
Supplemental	T	I	I					
2015 USACE Erosion Survey, DRAFT	0.04	0.38	1.56	24.85%				
DWR UCIP Field Study					0.29	0.01		
Unit Totals:	0.83	3.94	16.59	264.28%	0.32	0.01	0.00	0.00

# Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

RD0349 Reclamation District No. 0349 Sutter	Overall LMA Rating	Total LMA Miles						
Island	U	12.41						
Rated Item		Maintena	nce Deficiancy		Enforcement		Design & System Obsolescence	
Nateu item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation	3.25	21.46	89.09	718.06%	0.10	0.18		
Trim / Thin Trees	0.39	0.01	0.43	3.47%				
Encroachments	0.02	0.03	0.14	1.13%	0.06	0.30		
Animal Control	0.18		0.18	1.45%				
Erosion / Bank Caving		0.01	0.04	0.32%				
Emergency Supplies & Equipment	0.12		0.12	0.97%				
Flood Preparedness & Training	0.12		0.12	0.97%				
Supplemental								
2015 USACE Erosion Survey, DRAFT	0.69	0.16	1.33	10.72%				
DWR UCIP Field Study					0.49	0.02		
LMA Totals:	4.78	21.67	91.46	737.16%	0.65	0.50	0.00	0.00

# Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

acramento River Basin (cont.)								
Unit No. 01 Sacramento River RB	Overall Unit	Total Unit						
	Rating	Miles						
RD0349	U	1.59			ı		Decise 9	System
Rated Item		Maintena	nce Deficiancy		Enforc	ement	Obsole	
reace tem	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation	0.03	1.94	7.79	491.13%		0.18		
Trim / Thin Trees	0.29		0.29	18.28%				
Encroachments						0.01		
Supplemental 2015 USACE Erosion Survey, DRAFT	0.07		0.07	4.440/				
•	0.07		0.07	4.41%	0.00			
DWR UCIP Field Study	0.00	4.04	0.45	540 000/	0.06	0.40	0.00	0.00
Unit Totals:	0.39	1.94	8.15	513.83%	0.06	0.19	0.00	0.00
Unit No. 02 Steamboat Slough RB	Overall Unit	Total Unit						
	Rating	Miles						
RD0349	U	4.32						
D		Maintena	nce Deficiancy		Enforcement		Design & Sys Obsolescen	
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation	2.95	5.87	26.43	611.97%	0.10			
Trim / Thin Trees	0.04		0.04	0.93%				
Encroachments	0.01		0.01	0.23%	0.05	0.17		
Animal Control	0.18		0.18	4.17%				
Erosion / Bank Caving		0.01	0.04	0.93%				
Supplemental								
2015 USACE Erosion Survey, DRAFT	0.45	0.16	1.09	25.24%				
DWR UCIP Field Study					0.17	0.01		
Unit Totals:	3.63	6.04	27.79	643.46%	0.32	0.18	0.00	0.00
Unit No. 03 Sutter Slough LB	Overall Unit	Total Unit						
ome No. 00 Gatter Glough EB	Rating	Miles						
RD0349	U	6.50						
		Maintenance Deficiancy Enforcer		ement		System		
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles		Obsole M Miles	U Miles
Earthen Levee	IVI IVIIIOO	0 1111100	10 10 10 10 10 10 10 10 10 10 10 10 10 1	71110011010 70	101 1011100	0 1111100	141 1411100	0 1111100
Vegetation	0.27	13.65	54.87	843.89%				
Trim / Thin Trees	0.06	0.01	0.10	1.54%				
Encroachments	0.01	0.03	0.13	2.00%	0.01	0.12		
Supplemental		<u> </u>						
2015 USACE Erosion Survey, DRAFT	0.17		0.17	2.62%				
DWR UCIP Field Study					0.26	0.01		
Unit Totals:	0.51	13.69	55.27	850.04%	0.27	0.13	0.00	0.00

# Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

RD0369	Overall LMA	Total LMA							
Reclamation District No. 0369 Libby	Rating	Miles							
McNeil	U	0.78							
Rated Item	Maintenance Deficiancy					Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
Earthen Levee									
Vegetation	0.06		0.06	7.72%	0.02				
Trim / Thin Trees	0.08		0.08	10.30%					
Encroachments	0.02	0.01	0.06	7.72%	0.01	0.01			
Emergency Supplies & Equipment	0.01		0.01	1.29%					
Flood Preparedness & Training	0.01		0.01	1.29%					
Supplemental									
DWR UCIP Field Study					0.04	0.02			
LMA Totals:	0.18	0.01	0.22	28.32%	0.07	0.03	0.00	0.00	

RD0501 Reclamation District No. 0501 Ryer	Overall LMA Rating	Total LMA Miles						
Island	U	20.26						
Rated Item		Maintena	nce Deficiancy		Enforc	ement	Design & System Obsolescence	
Nateu item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation	9.59	0.49	11.55	57.02%	0.30			
Trim / Thin Trees	1.25	0.01	1.29	6.37%				
Encroachments	0.01		0.01	0.05%	0.09	0.01		
Animal Control	1.54		1.54	7.60%				
Erosion / Bank Caving	0.01		0.01	0.05%				
Supplemental								
2015 USACE Erosion Survey, DRAFT	0.26		0.26	1.28%				
DWR UCIP Field Study					0.57	0.06		
LMA Totals:	12.66	0.50	14.66	72.37%	0.96	0.07	0.00	0.00

# Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

Unit No. 01 Steamboat Slough RB	Overall Unit Rating	Total Unit Miles						
RD0501	U	6.71						
Detail lieur		Maintena	nce Deficiancy		Enforc	cement	Design 8 Obsole	& System scence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	
Earthen Levee			10.00			ı	ı	
Vegetation	9.12	0.39	10.68	159.27%	0.28			
Trim / Thin Trees	0.76	0.01	0.80	11.93%		0.04		
Encroachments	0.01		0.01	0.15%		0.01		
Animal Control	0.51		0.51	7.61%				
Supplemental 2015 USACE Erosion Survey, DRAFT	0.19		0.19	2.83%				
DWR UCIP Field Study	00		0.10	2.0070	0.15	0.02		
Unit Totals:	10.59	0.40	12.19	181.79%	0.43	0.03	0.00	0.00
Unit No. 02 Cache Slough LB	Overall Unit Rating	Total Unit Miles						
RD0501	Α	3.56						
			nce Deficiancy		Enforc	cement	Design & System Obsolescence	
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	
Earthen Levee Trim / Thin Trees	0.02		0.02	0.56%				
Encroachments	0.02		0.02	0.0070	0.09			
Animal Control	0.01		0.01	0.28%	0.00			
Erosion / Bank Caving	0.01		0.01	0.28%				
Supplemental								
2015 USACE Erosion Survey, DRAFT	0.07		0.07	1.97%				
DWR UCIP Field Study					0.11	0.02		
Unit Totals:	0.11	0.00	0.11	3.09%	0.20	0.02	0.00	0.00
Unit No. 03 Miner Slough LB	Overall Unit Rating	Total Unit Miles						
RD0501	U	7.71						
		L	nce Deficiancy		Enforc	cement	Design & System	
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	Obsolescence  M Miles U Miles	
Earthen Levee		<b>C</b>	/ 100	71110011010 70		000		•
Vegetation	0.47	0.10	0.87	11.28%				
Trim / Thin Trees	0.45		0.45	5.84%				
Animal Control	1.02		1.02	13.23%				
Supplemental		T T	T				ı	
DWR UCIP Field Study					0.23	0.01		
Unit Totals:	1.94	0.10	2.34	30.35%	0.23	0.01	0.00	0.00
Unit No. 04 Sutter Slough RB	Overall Unit Rating	Total Unit Miles						
RD0501	Α	2.28						
Data d Italia		Maintena	nce Deficiancy		Enforc	cement		& System scence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation					0.02			
Trim / Thin Trees	0.02		0.02	0.88%				
Supplemental  DWR UCIP Field Study					0.08	0.01		
Unit Totals:	0.02	0.00	0.02	0.88%	0.08	0.01	0.00	0.00
Offic Foldis.	0.02	0.00	0.02	0.00/0	0.10	0.01	0.00	0.00

# Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

RD0536	Overall LMA	Total LMA						
Reclamation District No. 0536 Egbert	Rating	Miles						
	U	10.59						
		Maintena	nce Deficiancy		Enforc	ement	Design 8 Obsole	k System
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee		T						
Vegetation	0.88	6.53	27.00	254.84%				
Trim / Thin Trees	0.02		0.02	0.19%				
Encroachments	0.01	0.04	0.17	1.60%	0.01	0.01		
Crown Surface / Depressions / Rutting	1.56	0.02	1.64	15.48%				
Operations & Maintenance Manuals	0.11		0.11	1.04%				
Emergency Supplies & Equipment	0.11		0.11	1.04%				
Flood Preparedness & Training	0.11		0.11	1.04%				
Supplemental		I					ı	
2015 USACE Erosion Survey, DRAFT	0.37		0.37	3.49%				
DWR UCIP Field Study					0.11	0.02		
LMA Totals:	3.16	6.59	29.52	278.63%	0.12	0.03	0.00	0.00
Unit No. 01 Lindsey Slough RB	Overall Unit	Total Unit						
	Rating	Miles						
RD0536	U	5.58					l 5 · a	
Rated Item		1	nce Deficiancy		Enforcement		Obsole	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee		2.24	0.04	450.220/			l	
Vegetation	0.00	2.21	8.84	158.33%				
Trim / Thin Trees	0.02		0.02	0.36%	0.04	0.04		
Encroachments	0.01		0.01	0.18%	0.01	0.01		
Crown Surface / Depressions / Rutting	0.20	0.02	0.28	5.02%				
Supplemental 2015 USACE Erosion Survey, DRAFT	0.37		0.37	6.63%				
	0.37		0.37	0.03%	0.07	0.00		
DWR UCIP Field Study	0.00	0.00	0.50	470 540/	0.07	0.02	0.00	0.00
Unit Totals:	0.60	2.23	9.52	170.51%	0.08	0.03	0.00	0.00
Unit No. 02 Yolo Bypass RB	Overall Unit Rating	Total Unit Miles						
DD0500	U	5.01						
RD0536							Design 8	k System
Rated Item	M Miles	U Miles	nce Deficiancy M + 4U Miles	Threshold %	Enforc M Miles	U Miles	Obsole M Miles	U Miles
Earthen Levee	IVI IVIIICS	O ivilles	IVI + 40 IVIIIes	Tillesiloid /6	IVI IVIIICS	O Miles	IVI IVIIICS	O ivilles
Vegetation	0.88	4.32	18.16	362.36%				
Encroachments		0.04	0.16	3.19%				
Crown Surface / Depressions / Rutting	1.36	0.01	1.36	27.14%				
Supplemental	1.00		1.00	27.1.170				
DWR UCIP Field Study					0.04			
Unit Totals:	2.24	4.36	19.68	392.68%	0.04	0.00	0.00	0.00
	1							

# Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

RD0537	Overall LMA	Total LMA						
Reclamation District No. 0537 Lovdal	Rating	Miles						
Reciamation district No. 0337 Lovual	M	5.93						
		L	nce Deficiancy		Enforc	ement		& System
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee	IVI IVIIICS	O IVIIIC3	W 1 40 WIICS	THICSHOID 70	IVI IVIIICS	O WIIICS	IVI IVIIICS	O IVIIICS
Vegetation					0.03			
Trim / Thin Trees	0.03		0.03	0.51%				
Encroachments	0.05		0.05	0.84%	0.09	0.18		
Animal Control	0.06	0.09	0.42	7.08%				
Slope Stability	0.05	0.00	0.05	0.84%				
Erosion / Bank Caving	0.09		0.09	1.52%				
Supplemental	0.00		0.00	1.0270				
2015 USACE Erosion Survey, DRAFT	0.05		0.05	0.84%				
DWR UCIP Field Study					0.07	0.01		
LMA Totals:	0.33	0.09	0.69	11.63%	0.19	0.19	0.00	0.00
			0.00		1			
Unit No. 01 Sacramento River RB	Overall Unit	Total Unit						
	Rating	Miles						
RD0537	M	4.74			1		Danism	Cuatam
Rated Item		Maintena	nce Deficiancy		Enforc	ement		& System scence
Nateu item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee	T	I	l			T	T	ı
Vegetation					0.03			
Trim / Thin Trees	0.03		0.03	0.63%				
Encroachments	0.05		0.05	1.05%	0.09	0.18		
Animal Control	0.06	0.09	0.42	8.85%				
Slope Stability	0.04		0.04	0.84%				
Erosion / Bank Caving	0.09		0.09	1.90%				
Supplemental		ı						
2015 USACE Erosion Survey, DRAFT	0.05		0.05	1.05%				
DWR UCIP Field Study					0.07	0.01		
Unit Totals:	0.32	0.09	0.68	14.34%	0.19	0.19	0.00	0.00
Unit No. 02 Yolo Bypass LB	Overall Unit	Total Unit						
ome nor of role bypass in	Rating	Miles						
RD0537	Α	1.19						
		Maintena	nce Deficiancy		Enforc	ement	Design & System Obsolescence	
Rated Item	M Miles		M + 4U Miles	Threshold %				
Earthen Levee	IVI IVIIICS	O WIIIOS	W 1 40 WIIICS	Till Colloid 70	IVI IVIIICO	O WIIICO	IVI IVIIICO	O WIIICO
Slope Stability	0.01		0.01	0.84%				
Unit Totals:	0.01	0.00	0.01	0.84%	0.00	0.00	0.00	0.00
			I.	<u>L</u>				
RD0551	Overall LMA	Total LMA						
Reclamation District No. 0551 Pearson	Rating	Miles						
	Α	6.78			•			
Data Mi		Maintenance Deficiancy Enforce		ement		& System scence		
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	
Earthen Levee								
Vegetation					0.07			
Encroachments					0.02			
Supplemental		T						
Supplemental  DWR UCIP Field Study					0.13			

# Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

RD0554	Overall LMA	Total LMA						
Reclamation District No. 0554 Walnut	Rating	Miles						
Grove	U	1.13						
Rated Item		Maintena	nce Deficiancy		Enforc	ement	Design 8 Obsole	System scence
Kateu item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation	0.03	0.39	1.59	141.24%				
Trim / Thin Trees		0.05	0.20	17.77%				
Encroachments					0.01			
Erosion / Bank Caving		0.02	0.08	7.11%				
Supplemental								
2015 USACE Erosion Survey, DRAFT	0.10		0.10	8.88%				
DWR UCIP Field Study					0.14	0.06		
LMA Totals:	0.13	0.46	1.97	174.99%	0.15	0.06	0.00	0.00

RD0556 Reclamation District No. 0556 Upper	Overall LMA Rating	Total LMA Miles						
Andrus	U	11.20						
Rated Item		Maintena	nce Deficiancy		Enforc	ement	Design 8 Obsole	System scence
Nateu item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation	2.32	8.06	34.56	308.56%	0.33	0.04		
Trim / Thin Trees	1.30	1.10	5.70	50.89%				
Encroachments	0.02	0.02	0.10	0.89%	0.32	0.10		
Animal Control	3.34		3.34	29.82%				
Slope Stability	0.01		0.01	0.09%				
Erosion / Bank Caving	0.02		0.02	0.18%				
Operations & Maintenance Manuals	0.11		0.11	0.98%				
Emergency Supplies & Equipment	0.11		0.11	0.98%				
Flood Preparedness & Training	0.11		0.11	0.98%				
Supplemental								
2015 USACE Erosion Survey, DRAFT	1.32		1.32	11.79%				
DWR UCIP Field Study					0.22	0.02		
LMA Totals:	8.67	9.18	45.39	405.25%	0.87	0.16	0.00	0.00

## Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

acramento River Basin (cont.)								
Unit No. 01 Georgiana Slough RB	Overall Unit Rating	Total Unit Miles						
RD0556	U	5.48						
KDU0000			nce Deficiancy		Enforce	cement		& System
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	Obsole M Miles	U Miles
Earthen Levee		•	/ 1000	71110011010 70		000		000
Vegetation	1.08	4.87	20.56	375.02%	0.05			
Trim / Thin Trees	0.01	1.10	4.41	80.44%				
Encroachments		0.02	0.08	1.46%	0.11	0.10		
Animal Control	3.34		3.34	60.92%				
Slope Stability	0.01		0.01	0.18%				
Erosion / Bank Caving	0.02		0.02	0.37%				
Supplemental						,	,	
2015 USACE Erosion Survey, DRAFT	0.15		0.15	2.74%				
DWR UCIP Field Study					0.11	0.01		
Unit Totals:	4.61	5.99	28.57	521.12%	0.27	0.11	0.00	0.00
Unit No. 02 Sacramento River LB	Overall Unit	Total Unit						
	Rating	Miles						
RD0556	U	5.72						
2		Maintena	nce Deficiancy		Enforc	cement	t Design & Sys	
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee	1.04	0.40	44.00	044040/	0.00	0.04	I	T T
Vegetation	1.24	3.19	14.00	244.84%	0.28	0.04		
Trim / Thin Trees	1.29		1.29	22.56%				
Encroachments	0.02		0.02	0.35%	0.21			
Supplemental 2015 USACE Erosion Survey, DRAFT	1.17		1.17	20.46%				
DWR UCIP Field Study	1.17		1.17	20.4070	0.11	0.01		
Unit Totals:	3.72	3.19	16.48	288.21%	0.60	0.05	0.00	0.00
Ome rolaid.	0.72	0.10	10.40	200.2170	0.00	0.00	0.00	0.00
RD0563	Overall LMA	Total LMA						
Reclamation District No. 0563 Tyler	Rating	Miles						
Island	U	12.11						
Rated Item		Maintena	nce Deficiancy		Enforc	cement		& System scence
realed item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee	0.10	4.07	40.50	07.400/	2.04	0.00	I	T
Vegetation	3.10	1.87	10.58	87.40%	0.01	0.20		
Trim / Thin Trees	0.42	0.24	1.38	11.40%				
Encroachments	0.08	0.03	0.20	1.65%	0.11	0.02	0.11	
Animal Control	0.18	0.06	0.42	3.47%				
Slope Stability	0.06	0.01	0.10	0.83%				
Erosion / Bank Caving	0.02		0.02	0.17%				
Crown Surface / Depressions / Rutting	4.27		4.27	35.27%				
Supplemental	2.46	0.54	E 50	4E 420/				
2015 USACE Erosion Survey, DRAFT DWR UCIP Field Study	3.46	0.51	5.50	45.43%	0.20	0.04		
	11.50	0.70	22.47	105 610/	0.29	0.04	0.11	0.00
LMA Totals:	11.59	2.72	22.47	185.61%	0.41	0.26	0.11	0.00

# Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

RD0755	Overall LMA	Total LMA						
Reclamation District No. 0755 Randall	Rating	Miles						
	U	1.83						
Rated Item		Maintena	nce Deficiancy		Enforc	ement		& System escence
Nateu item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation		1.42	5.68	309.63%				
Trim / Thin Trees	0.01		0.01	0.55%				
Animal Control	1.34		1.34	73.05%				
Operations & Maintenance Manuals	0.02		0.02	1.09%				
Emergency Supplies & Equipment	0.02		0.02	1.09%				
Flood Preparedness & Training	0.02		0.02	1.09%				
Supplemental							<u>'</u>	
2015 USACE Erosion Survey, DRAFT	0.08		0.08	4.36%				
DWR UCIP Field Study					0.07			
LMA Totals:	1.49	1.42	7.17	390.86%	0.07	0.00	0.00	0.00

RD0765	Overall LMA	Total LMA						
Reclamation District No. 0765 Glide	Rating	Miles						
	U	1.72						
Rated Item		Maintena	nce Deficiancy		Enforc	ement		System scence
Nateu item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation	0.19	0.46	2.03	117.88%				
Trim / Thin Trees	0.69	0.44	2.45	142.27%				
Encroachments	0.02	0.03	0.14	8.13%	0.31	0.06		
Erosion / Bank Caving		0.01	0.04	2.32%				
Emergency Supplies & Equipment	0.02		0.02	1.16%				
Flood Preparedness & Training	0.02		0.02	1.16%				
Supplemental								
DWR UCIP Field Study					0.05			
LMA Totals:	0.93	0.94	4.69	272.35%	0.36	0.06	0.00	0.00

RD0784 Reclamation District No. 0784 Plumas	Overall LMA Rating	Total LMA Miles						
Lake	Α	33.20						
Rated Item		Maintena	nce Deficiancy		Enforc	ement	Design 8 Obsole	k System scence
Nateu item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Encroachments					2.89			
Supplemental								
DWR UCIP Field Study					0.11	0.01		
LMA Totals:	0.00	0.00	0.00	0.00%	3.00	0.01	0.00	0.00

## Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

, ,								
Unit No. 01 Yuba River LB	Overall Unit Rating	Total Unit Miles						
RD0784	Α	2.21						
		Maintena	nce Deficiancy		Enforc	ement		& System
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles		M Miles	U Miles
Earthen Levee		•		71110011010 70		•		0 1111100
Encroachments					0.61			
Supplemental		<b>'</b>						
DWR UCIP Field Study					0.01			
Unit Totals:	0.00	0.00	0.00	0.00%	0.62	0.00	0.00	0.00
Unit No. 02A Feather River LB	Overall Unit Rating	Total Unit Miles						
RD0784	Α	2.54						
		Maintena	nce Deficiancy		Enforc	ement		& System
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
No Items		000		77		•		<b>O</b> 1111100
Unit Totals:	0.00	0.00	0.00	0.00%				
O'm Fotalor			0.00	0.0070				
Unit No. 02B Feather River LB	Overall Unit Rating	Total Unit Miles						
RD0784	A	3.95						
Date dillere		Maintena	nce Deficiancy		Enforc	ement		& System scence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee		<b>'</b>						
Encroachments					0.10			
Unit Totals:	0.00	0.00	0.00	0.00%	0.10	0.00	0.00	0.00
Unit No. 03A Bear River RB	Overall Unit	Total Unit						
	Rating	Miles						
RD0784	Α	0.78						
Date d Itaas		Maintena	nce Deficiancy		Enforc	ement		& System scence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
No Items								
Unit Totals:	0.00	0.00	0.00	0.00%				
Unit No. 02B Book Bisser BB	Overell Unit	Total Unit			•			
Unit No. 03B Bear River RB	Overall Unit Rating	Total Unit Miles						
RD0784	Α	1.49					D	0.00
Rated Item		Maintena	nce Deficiancy		Enforc	ement	~	& System scence
Nateu Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	
Supplemental								
DWR UCIP Field Study		6.5			0.01			
Unit Totals:	0.00	0.00	0.00	0.00%	0.01	0.00	0.00	0.00
Unit No. 04 Interceptor Canal RB	Overall Unit Rating	Total Unit Miles						
RD0784	A	6.33						
1100104	Maintenance Deficiancy			Enforce	ement		& System	
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles		Obsole M Miles	U Miles
Supplemental	IVI IVIIIES	U willes	IVI + 40 IVIIIES	Tillesilola %	ivi iviiles	O Miles	ivi ivilles	O ivilles
DWR UCIP Field Study					0.01			
Unit Totals:	0.00	0.00	0.00	0.00%	0.01	0.00	0.00	0.00
Sim rotalo.	1 0.00	3.00	0.00	2.0070	3.01	3.00	3.00	2.00

## Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

Unit No. 05 Interceptor Canal LB	Overall Unit Rating	Total Unit Miles						
DD0704	A	4.19						
RD0784	A		nce Deficiancy		Enforce	ement	Design 8	& System
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles		Obsole M Miles	
Earthen Levee								
Encroachments					2.18			
Supplemental  DWR UCIP Field Study					0.05	0.01		
Unit Totals:	0.00	0.00	0.00	0.00%	2.23	0.01	0.00	0.00
O'llt i Otals.	0.00	0.00	0.00	0.0078	2.23	0.01	0.00	0.00
Unit No. 06 South Dry Creek RB	Overall Unit Rating	Total Unit Miles						
RD0784	Α	0.25						
Rated Item	Maintenance Deficiancy				Enforc	ement	Design 8 Obsole	k System scence
Rated item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Supplemental				I				
DWR UCIP Field Study	0.00	0.00	2.22	0.000/	0.01	0.00	0.00	0.00
Unit Totals:	0.00	0.00	0.00	0.00%	0.01	0.00	0.00	0.00
Unit No. 07 Yuba River LB	Overall Unit Rating	Total Unit Miles						
RD0784	Α	3.82						
2	Maintenance Deficiancy				Enforc	ement	Design 8 Obsole	& System
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	
No Items								
Unit Totals:	0.00	0.00	0.00	0.00%				
Unit No. 08 Three Rivers RB	Overall Unit Rating	Total Unit Miles						
RD0784	A	1.93						
TKB0704	7.		nce Deficiancy		Enforc	ement	Design 8	k System
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	Obsole M Miles	u Miles
No Items		2		227.0.0 70				2 .730
Unit Totals:	0.00	0.00	0.00	0.00%				
Unit No. 09 Feather River LB	O compliant	Total He'					1	
Unit No. 09 Feather River LB	Overall Unit Rating	Total Unit Miles						
RD0784	A	5.71						
					Enforc	ement	Design 8	System
		U Miles	M + 4U Miles	Threshold %	M Miles		Obsole M Miles	u Miles
Rated Item	I M Miles			11110011010 /0	171 1711103	O WIIIOS		O WINGS
	M Miles	O WIIICO						
Rated Item  Supplemental  DWR UCIP Field Study	M Miles	O WIIICO			0.02			

## Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

RD0785	Overall LMA	Total LMA						
Reclamation District No. 0785 Driver	Rating	Miles						
	U	5.57			_			
Dated Hors		Maintena	nce Deficiancy		Enforc	ement		& System scence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	1
Earthen Levee	T					I		
Vegetation	1.55	1.23	6.47	116.21%	0.23			
Trim / Thin Trees	0.05	0.01	0.09	1.62%				
Encroachments	0.04		0.04	0.72%	0.13			
Animal Control	0.10	0.02	0.18	3.23%				
Slope Stability	0.06		0.06	1.08%				
Erosion / Bank Caving	0.02	0.01	0.06	1.08%				
Cracking	0.01		0.01	0.18%				
Crown Surface / Depressions / Rutting	0.26		0.26	4.67%				
Supplemental	I				0.00	0.04	T	
DWR UCIP Field Study					0.06	0.01		
LMA Totals:	2.09	1.27	7.17	128.79%	0.42	0.01	0.00	0.00
Unit No. 01 Sacramento River RB	Overall Unit Rating	Total Unit Miles						
RD0785	U	2.26						
		Maintena	nce Deficiancy		Enforc	ement		& System scence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	
Earthen Levee								
Vegetation	1.24		1.24	54.97%	0.23			
Trim / Thin Trees	0.05	0.01	0.09	3.99%				
Encroachments	0.02		0.02	0.89%	0.11			
Animal Control	0.05	0.02	0.13	5.76%				
Slope Stability	0.03		0.03	1.33%				
Erosion / Bank Caving	0.01	0.01	0.05	2.22%				
Crown Surface / Depressions / Rutting	0.01		0.01	0.44%				
Supplemental								
DWR UCIP Field Study					0.03	0.01		
Unit Totals:	1.41	0.04	1.57	69.59%	0.37	0.01	0.00	0.00
Unit No. 02 Yolo Bypass LB	Overall Unit Rating	Total Unit Miles						
RD0785	U	3.31						
		Maintena	nce Deficiancy		Enforc	ement		& System scence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	
Earthen Levee		200		70		2		2
Vegetation	0.31	1.23	5.23	157.94%				
Encroachments	0.02		0.02	0.60%	0.02			
Animal Control	0.05		0.05	1.51%				
Slope Stability	0.03		0.03	0.91%				
Erosion / Bank Caving	0.01		0.01	0.30%				
Cracking	0.01		0.01	0.30%				
Crown Surface / Depressions / Rutting	0.25		0.25	7.55%				
Supplemental		<u> </u>						
DWR UCIP Field Study					0.03			
Unit Totals:	0.68	1.23	5.60	169.11%	0.05	0.00	0.00	0.00

## Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

RD0787 Reclamation District No. 0787 Fair	Overall LMA Rating	Total LMA Miles						
	Α	4.45						
Rated Item		Maintena	nce Deficiancy		Enforc	ement	Design 8 Obsole	k System scence
Rateu item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation	0.01		0.01	0.23%				
Encroachments	0.01		0.01	0.23%	2.42			
Flood Preparedness & Training	0.04		0.04	0.90%				
Supplemental								
2015 USACE Erosion Survey, DRAFT	0.29		0.29	6.52%				
DWR UCIP Field Study					0.01			
LMA Totals:	0.35	0.00	0.35	7.87%	2.43	0.00	0.00	0.00

RD0817	Overall LMA	Total LMA						
Reclamation District No. 0817 Carlin	Rating	Miles						
	U	8.99						
Rated Item		Maintena	nce Deficiancy		Enforc	ement	Design 8 Obsole	System scence
Kateu item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation	10.30	0.26	11.34	126.14%	0.01			
Trim / Thin Trees	0.02		0.02	0.22%				
Encroachments					2.51			
Slope Stability							1.10	
Erosion / Bank Caving	0.01		0.01	0.11%				
Supplemental								
DWR UCIP Field Study					0.26	0.08		
LMA Totals:	10.33	0.26	11.37	126.47%	2.78	0.08	1.10	0.00

## Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

deramento River Basin (cont.)								
Unit No. 01 South Dry Creek LB	Overall Unit Rating	Total Unit Miles						
RD0817	A	3.81						
		Maintena	nce Deficiancy		Enforc	ement		System scence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee						ı	ı	
Encroachments					2.07			
Supplemental DWR UCIP Field Study					0.19	0.02		
Unit Totals:	0.00	0.00	0.00	0.00%	2.26	0.02	0.00	0.00
Unit No. 02 Bear River RB	Overall Unit Rating	Total Unit Miles						
RD0817	U	3.86						
		Maintena	nce Deficiancy		Enforc	ement		System scence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %		U Miles	M Miles	U Miles
Earthen Levee								
Vegetation	7.60		7.60	197.08%	0.01			
Encroachments					0.02			
Slope Stability							1.10	
Erosion / Bank Caving	0.01		0.01	0.26%				
Supplemental  DWR UCIP Field Study					0.04	0.02		
Unit Totals:	7.61	0.00	7.61	197.34%	0.07	0.02	1.10	0.00
Unit No. 03 South Dry Creek RB	Overall Unit Rating	Total Unit Miles						
RD0817	U	1.32					Design 6	Custom
Rated Item		Maintena	nce Deficiancy		Enforc	ement		k System scence
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee Vegetation	2.70	0.26	3.74	283.47%				
Trim / Thin Trees	0.02	0.20	0.02	1.52%				
Encroachments	0.02		0.02	1.5270	0.42			
Supplemental					0.12			
DWR UCIP Field Study					0.03	0.04		
Unit Totals:	2.72	0.26	3.76	284.98%	0.45	0.04	0.00	0.00
DD0007	Our mall I MAA	TatallNAA						
RD0827	Overall LMA Rating	Total LMA Miles		Threshold Perce Rated Miles are p				
Reclamation District No. 0827 Elkhorn	M *	4.12	Rating is M i		1636111, 30 1	irie Overaii	LIVIA	
			nce Deficiancy		Enforce	ement		k System
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %		U Miles	Obsole M Miles	U Miles
Earthen Levee	IVI IVIIICS	O WINGS	TO WINGS	71110011010 70	.v. iviiles	O IVIIICS	iviile3	O WINGS
Encroachments					0.81			
Animal Control	0.04		0.04	0.97%				
Slope Stability	0.02		0.02	0.49%				
Erosion / Bank Caving	0.02	0.02	0.10	2.43%				
Crown Surface / Depressions / Rutting	0.01		0.01	0.24%				
Supplemental DWR UCIP Field Study					0.05	0.01		
LMA Totals:	0.09	0.02	0.17	4.12% *	0.05	0.01	0.00	0.00
LIVIA TOTALS.	0.09	0.02	0.17	7.12/0 "	0.00	0.01	0.00	0.00

## Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

## Sacramento River Basin (cont.)

Unit No. 01 Sacramento River RB	Overall Unit Rating	Total Unit Miles		Threshold Perceres are present, so				
PD0927	M *	1.34	instead of A.		THO OVOICE	n Onne reden	19 10 IVI	
RD0827	IVI		nas Deficiones		Cofore	cement	Design 8	System
Rated Item	MANGLOO		nce Deficiancy	Throphold 0/			Obsole	
Fault and area	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee Encroachments					0.30			
Animal Control	0.01		0.01	0.75%	0.00			
Slope Stability	0.01		0.01	0.75%				
Erosion / Bank Caving	0.01	0.01	0.06	4.47%				
Supplemental	0.02	0.01	0.00	4.47 /0				
DWR UCIP Field Study					0.02			
Unit Totals:	0.04	0.01	0.08	5.97% *	0.32	0.00	0.00	0.00
Hart No. 20 Vala Princes I P	O rorall I lait	Tatal I lait						
Unit No. 02 Yolo Bypass LB	Overall Unit Rating	Total Unit Miles		Threshold Percer es are present, so				
RD0827	M *	2.78	instead of A.		IIIe Overa	II OIII Raai	IG IS IVI	
KD0021			nce Deficiancy		Enforc	cement		System
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles		Obsole M Miles	u Miles
Earthen Levee		C		111.00.10.0	17	•	17	0
Encroachments					0.51			
Animal Control	0.03		0.03	1.08%				
Slope Stability	0.01		0.01	0.36%				
Erosion / Bank Caving		0.01	0.04	1.44%				
Crown Surface / Depressions / Rutting	0.01		0.01	0.36%				
Supplemental								
DWR UCIP Field Study					0.03	0.01		
Unit Totals:	0.05	0.01	0.09	3.24% *	0.54	0.01	0.00	0.00
B D C C C C C C C C C C C C C C C C C C	Overall LMA	Total LMA						
RD0900 Reclamation District No. 0900 West	Rating	Miles						
Sacramento	A	12.96						
			nce Deficiancy		Enforc	cement		System
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	Obsole M Miles	U Miles
Earthen Levee	IVI IVIIICS	O IVIIICO	IVI + 40 IVIIICO	Tilleshold 70	IVI IVIIICO	O IVIIICO	IVI IVIIICO	U IVIIICO
Vegetation	0.08		0.08	0.62%				
Encroachments	0.06		0.06	0.46%	1.75	0.01		
Animal Control	0.01		0.01	0.08%				
Slope Stability	0.01		0.01	0.08%				
Supplemental								
2015 USACE Erosion Survey, DRAFT	0.42		0.42	3.24%				
DWR UCIP Field Study					0.41			
1 A 4 A T 4 1	0.50	0.00	0.50	4.470/	0.40	0.04	0.00	0.00

LMA Totals:

0.58

0.00

0.58

2.16

4.47%

0.01

0.00

0.00

## Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

Unit No. 01 Sacramento River RB	Overall Unit	Total Unit						
One No. of Gaeramento River RB	Rating	Miles						
RD0900	Α	7.70						
			nce Deficiancy		Enforc	ement	Design & Obsole	System
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles		M Miles	
Earthen Levee								
Vegetation	0.08		0.08	1.04%				
Encroachments	0.04		0.04	0.52%	1.61	0.01		
Animal Control	0.01		0.01	0.13%				
Slope Stability	0.01		0.01	0.13%				
Supplemental		T		- 4-04		T	I	
2015 USACE Erosion Survey, DRAFT	0.42		0.42	5.45%				
DWR UCIP Field Study					0.17			
Unit Totals:	0.56	0.00	0.56	7.27%	1.78	0.01	0.00	0.00
Unit No. 02 Yolo Bypass LB	Overall Unit Rating	Total Unit Miles						
RD0900	Α	5.26						
		Maintena	nce Deficiancy		Enforc	ement	Design 8 Obsole	k System
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee		l						
Encroachments	0.02		0.02	0.38%	0.14			
Supplemental	T	T	I			ı	ı	
DWR UCIP Field Study					0.24			
Unit Totals:	0.02	0.00	0.02	0.38%	0.38	0.00	0.00	0.00
RD0999	Overall LMA	Total LMA						
Reclamation District No. 0999	Rating	Miles						
Netherlands	U	32.17						
		Maintena	nce Deficiancy		Enforc	ement	Design 8	System
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	1	Obsole M Miles	U Miles
Earthen Levee	111 1111103	3 1111100	10 11100			3 1111130		3 1111133
Vegetation	0.12	0.19	0.88	2.74%	0.40	0.45		
Trim / Thin Trees	1.86	1.92	9.54	29.66%	0.16	0.08		
Encroachments	0.11	0.04	0.27	0.84%	3.01	0.38		
Animal Control	0.12	0.01	0.16	0.50%				
Slope Stability	0.05	0.01	0.09	0.28%			0.02	
Erosion / Bank Caving		0.04	0.16	0.50%				
Crown Surface / Depressions / Rutting	2.76		2.76	8.58%				
Interior Drainage & Piping Systems		· T				· I		
Metal Pipes		0.01	0.04	0.12%				
Supplemental	0.00	0.44	2.52	7.070/			0.40	
2015 USACE Erosion Survey, DRAFT	0.89	0.41	2.53	7.87%	0.57	0.00	9.48	
DWR UCIP Field Study	E 04	0.00	46.40	E4 000/	0.57	0.06	0.50	0.00
LMA Totals:	5.91	2.63	16.43	51.08%	4.14	0.97	9.50	0.00

## Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

Unit No. 01 Yolo Bypass LB	Overall Unit	Total Unit						
,,	Rating	Miles						
RD0999	M	15.41						
		Maintena	nce Deficiancy		Enforc	ement	Design 8 Obsole	System
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	
Earthen Levee								
Vegetation		0.01	0.04	0.26%	0.01			
Trim / Thin Trees	0.07	0.27	1.15	7.46%				
Encroachments	0.06		0.06	0.39%	0.75	0.28		
Animal Control	0.02	0.01	0.06	0.39%				
Slope Stability	0.04		0.04	0.26%			0.02	
Erosion / Bank Caving		0.02	0.08	0.52%				
Crown Surface / Depressions / Rutting	0.36		0.36	2.34%				
Supplemental								
2015 USACE Erosion Survey, DRAFT	0.01		0.01	0.07%				
DWR UCIP Field Study					0.05	0.02		
Unit Totals:	0.56	0.31	1.80	11.68%	0.81	0.30	0.02	0.00
Unit No. 02 Miner Slough RB	Overall Unit Rating	Total Unit Miles						
RD0999	U	2.31						
ND0999			nce Deficiancy		Enforce	ement		System
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	Obsole M Miles	
Earthen Levee	IVI IVIIICS	O ivilles	IVI + 40 IVIIIes	Tillesiloid /6	IVI IVIIICS	O ivilles	IVI IVIIICS	O IVIIIes
Vegetation		0.01	0.04	1.73%		0.01		
Trim / Thin Trees	0.03	0.09	0.39	16.90%				
Encroachments					0.06	0.05		
Encroachments Animal Control	0.10			4.33%	0.06	0.05		
Animal Control	0.10		0.10	4.33%	0.06	0.05		
	0.10			4.33%	0.06	0.05		
Animal Control Supplemental	0.10	0.10		4.33%		0.05	0.00	0.00
Animal Control Supplemental DWR UCIP Field Study		0.10 Total Unit	0.10		0.08		0.00	0.00
Animal Control  Supplemental  DWR UCIP Field Study  Unit Totals:  Unit No. 03 Sutter Slough RB	0.13 Overall Unit	Total Unit	0.10		0.08		0.00	0.00
Animal Control  Supplemental  DWR UCIP Field Study  Unit Totals:  Unit No. 03 Sutter Slough RB  RD0999	0.13  Overall Unit Rating	Total Unit Miles 3.74	0.10		0.08		Design 8	k System
Animal Control  Supplemental  DWR UCIP Field Study  Unit Totals:  Unit No. 03 Sutter Slough RB	0.13  Overall Unit Rating	Total Unit Miles 3.74	0.10		0.08	0.06		k System
Animal Control  Supplemental  DWR UCIP Field Study  Unit Totals:  Unit No. 03 Sutter Slough RB  RD0999	0.13  Overall Unit Rating  U	Total Unit Miles 3.74 Maintena	0.10 0.53 nce Deficiancy	22.97%	0.08 0.14	0.06	Design 8 Obsole	& System scence
Animal Control  Supplemental  DWR UCIP Field Study  Unit Totals:  Unit No. 03 Sutter Slough RB  RD0999  Rated Item	0.13  Overall Unit Rating  U	Total Unit Miles 3.74 Maintena	0.10 0.53 nce Deficiancy	22.97%	0.08 0.14	0.06	Design 8 Obsole	& System scence
Animal Control  Supplemental  DWR UCIP Field Study  Unit Totals:  Unit No. 03 Sutter Slough RB  RD0999  Rated Item  Earthen Levee	0.13  Overall Unit Rating  U  M Miles	Total Unit Miles 3.74 Maintena	0.10  0.53  nce Deficiancy M + 4U Miles	22.97% Threshold %	0.08 0.14	0.06	Design 8 Obsole	& System scence
Animal Control  Supplemental  DWR UCIP Field Study  Unit Totals:  Unit No. 03 Sutter Slough RB  RD0999  Rated Item  Earthen Levee  Vegetation	0.13  Overall Unit Rating  U  M Miles	Total Unit Miles 3.74 Maintena U Miles	0.10  0.53  nce Deficiancy M + 4U Miles  0.01	22.97%  Threshold %  0.27%	0.08 0.14 Enforce M Miles	0.06	Design 8 Obsole	& System scence
Animal Control  Supplemental  DWR UCIP Field Study  Unit Totals:  Unit No. 03 Sutter Slough RB  RD0999  Rated Item  Earthen Levee  Vegetation Trim / Thin Trees Encroachments  Supplemental	0.13  Overall Unit Rating  U  M Miles  0.01  0.34	Total Unit Miles 3.74 Maintena U Miles  0.28 0.01	0.10  0.53  nce Deficiancy  M + 4U Miles  0.01  1.46  0.04	22.97%  Threshold %  0.27%  39.00%  1.07%	0.08 0.14 Enforce M Miles	0.06	Design 8 Obsole	& System scence
Animal Control  Supplemental  DWR UCIP Field Study  Unit Totals:  Unit No. 03 Sutter Slough RB  RD0999  Rated Item  Earthen Levee  Vegetation Trim / Thin Trees Encroachments  Supplemental 2015 USACE Erosion Survey, DRAFT	0.13  Overall Unit Rating  U  M Miles	Total Unit Miles 3.74 Maintena U Miles	0.10  0.53  nce Deficiancy  M + 4U Miles  0.01  1.46	22.97%  Threshold %  0.27%  39.00%	0.08 0.14 Enforc M Miles	0.06	Design 8 Obsole	& System scence
Animal Control  Supplemental  DWR UCIP Field Study  Unit Totals:  Unit No. 03 Sutter Slough RB  RD0999  Rated Item  Earthen Levee  Vegetation Trim / Thin Trees Encroachments  Supplemental	0.13  Overall Unit Rating  U  M Miles  0.01  0.34	Total Unit Miles 3.74 Maintena U Miles  0.28 0.01	0.10  0.53  nce Deficiancy  M + 4U Miles  0.01  1.46  0.04	22.97%  Threshold %  0.27%  39.00%  1.07%	0.08 0.14 Enforce M Miles	0.06	Design 8 Obsole	& System scence

## Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

acramento River Basin (cont.)	T	I	T					
Unit No. 04 Sacramento River RB	Overall Unit Rating	Total Unit Miles						
RD0999	U	1.22						
<b>5</b>		Maintena	nce Deficiancy		Enforc	ement	Design 8 Obsole	& System
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	
Earthen Levee								
Vegetation	0.01	0.04	0.17	13.93%	0.09	0.16		
Trim / Thin Trees	0.28		0.28	22.95%	0.05			
Encroachments		0.01	0.04	3.28%	0.06	0.01		
Erosion / Bank Caving		0.02	0.08	6.56%				
Supplemental	0.00		0.00	04.040/				
2015 USACE Erosion Survey, DRAFT	0.26		0.26	21.31%	0.4.4			
DWR UCIP Field Study	0.55	0.07	2.22	00.000/	0.14	0.47	0.00	0.00
Unit Totals:	0.55	0.07	0.83	68.03%	0.34	0.17	0.00	0.00
Unit No. 05 Elk Slough RB	Overall Unit Rating	Total Unit Miles						
RD0999	U	9.48						
		Maintena	nce Deficiancy		Enforc	ement	Design 8 Obsole	& System
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	
Earthen Levee								
Vegetation	0.10	0.13	0.62	6.54%	0.30	0.27		
Trim / Thin Trees	1.14	1.28	6.26	66.01%	0.09	0.08		
Encroachments	0.05	0.02	0.13	1.37%	2.14	0.04		
Slope Stability	0.01	0.01	0.05	0.53%				
Crown Surface / Depressions / Rutting	2.40		2.40	25.31%				
Interior Drainage & Piping Systems								
Metal Pipes		0.01	0.04	0.42%				
Supplemental	T		1				9.48	
2015 USACE Erosion Survey, DRAFT DWR UCIP Field Study					0.26	0.04	9.46	
·	2.70	4 45	0.50	400 400/	0.26	0.04	0.40	0.00
Unit Totals:	3.70	1.45	9.50	100.18%	2.79	0.43	9.48	0.00
RD1000 Reclamation District No. 1000 Natomas	Overall LMA Rating	Total LMA Miles						
recommend bistrict No. 1000 Natomas	Α	41.84						
Rated Item			nce Deficiancy			ement	Obsole	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee					6.07	0.77		
Vegetation	0.70		0.70	1 900/	6.07	0.77		
Trim / Thin Trees Encroachments	0.79		0.79	1.89%	8.07	0.31		
	0.01		0.01	0.029/	0.07	0.31		
Slope Stability Supplemental	0.01		0.01	0.02%				
2015 USACE Erosion Survey, DRAFT	0.13		0.13	0.31%				
DWR UCIP Field Study			2112		0.17			
LMA Totals:	0.93	0.00	0.93	2.22%	14.31	1.08	0.00	0.00
LIVIA TOTALS.	0.93	0.00	0.93	Z.ZZ <sup>7</sup> /0	14.31	1.00	0.00	0.00

## Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

RD1000  Rated Item	Overall Unit Rating A	Total Unit Miles 18.28						
Rated Item	Α	18.28						
		Maintena	nce Deficiancy		Enforc	ement		& System scence
Forthern Louise	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	
Earthen Levee								
Vegetation					5.95	0.77		
Trim / Thin Trees	0.02		0.02	0.11%				l
Encroachments					4.72	0.31		
Supplemental								
2015 USACE Erosion Survey, DRAFT	0.13		0.13	0.71%				
DWR UCIP Field Study					0.05			
Unit Totals:	0.15	0.00	0.15	0.82%	10.72	1.08	0.00	0.00
Unit No. 02 American River RB	Overall Unit Rating	Total Unit Miles						
RD1000	U	2.32						
			nce Deficiancy		Enforc	ement	Design 8	& System scence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Trim / Thin Trees	0.77		0.77	33.16%				
Encroachments					1.76			
Unit Totals:	0.77	0.00	0.77	33.16%	1.76	0.00	0.00	0.00
Unit No. 03 Natomas East Canal RB	Overall Unit Rating	Total Unit Miles						
RD1000	<b>A</b>	16.93						
KD 1000			D-fi-i		Enforc		Design 8	& System
Rated Item	M Miles	U Miles	nce Deficiancy M + 4U Miles	Threshold %	M Miles		Obsole M Miles	1
Earthen Levee	IVI IVIIIes	U Milles	IVI + 40 IVIIIes	Tillesilola /6	IVI IVIIIES	O Miles	IVI IVIIIES	O Miles
Vegetation					0.12			
Encroachments					1.59			
Slope Stability	0.01		0.01	0.06%	1100			
Unit Totals:	0.01	0.00	0.01	0.06%	1.71	0.00	0.00	0.00
			0.0.	0.0070		0.00	0.00	0.00
Unit No. 04 Natomas Cross Canal LB	Overall Unit Rating	Total Unit Miles						
RD1000	A	4.30						
Rated Item		Maintena	nce Deficiancy		Enforc	ement	Design 8 Obsole	& System scence
Nateu item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Supplemental								
DWR UCIP Field Study					0.12			
Unit Totals:	0.00	0.00	0.00	0.00%	0.12	0.00	0.00	0.00

## Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

RD1001	Overall LMA	Total LMA						
Reclamation District No. 1001 Nicolaus	Rating	Miles						
	A	43.74						
Rated Item		Maintena	nce Deficiancy		Enforc	ement	Design 8 Obsole	System scence
Nated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation	1.28		1.28	2.93%	0.07	0.10		
Trim / Thin Trees	0.08		80.0	0.18%				
Encroachments	0.02		0.02	0.05%	2.87	0.03		
Animal Control	0.01		0.01	0.02%				
Slope Stability	0.16		0.16	0.37%				
Erosion / Bank Caving	0.02		0.02	0.05%				
Supplemental								
2015 USACE Erosion Survey, DRAFT	1.85	-	1.85	4.23%				
DWR UCIP Field Study					0.25	0.02		
LMA Totals:	3.42	0.00	3.42	7.82%	3.19	0.15	0.00	0.00

## Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

Unit No. 01 Yankee Slough RB	Overall Unit	Total Unit						
Cincitor of familia diagnitia	Rating	Miles						
RD1001	Α	4.12						
		Maintena	nce Deficiancy		Enforc	ement		System scence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee	1		1					
Vegetation					0.05	0.02		
Trim / Thin Trees	0.01		0.01	0.24%				
Encroachments					0.14	0.01		
Slope Stability	0.01		0.01	0.24%				
Supplemental	ı		T.					
DWR UCIP Field Study					0.01			
Unit Totals:	0.02	0.00	0.02	0.49%	0.20	0.03	0.00	0.00
Unit No. 02 Yankee Slough LB	Overall Unit	Total Unit						
	Rating	Miles						
RD1001	Α	3.65						
Date differen		Maintena	nce Deficiancy		Enforc	ement	Design 8 Obsole	k System scence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	
Earthen Levee								
Vegetation					0.01	0.01		
Encroachments					0.30	0.01		
Supplemental	0.00		0.00	0.000/			I	
2015 USACE Erosion Survey, DRAFT	0.03		0.03	0.82%	0.00			
DWR UCIP Field Study	0.00	0.00	0.00	0.000/	0.03	0.00	0.00	0.00
Unit Totals:	0.03	0.00	0.03	0.82%	0.34	0.02	0.00	0.00
Unit No. 03 Bear River LB	Overall Unit	Total Unit						
	Rating	Miles						
RD1001	Α	12.58						
Rated Item		Maintena	nce Deficiancy		Enforc	ement		System scence
Rateu item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee	1		1					
Vegetation	0.08		0.08	0.64%				
Trim / Thin Trees	0.02		0.02	0.16%	_			
Encroachments	0.01		0.01	0.08%	0.85			
Animal Control	0.01		0.01	0.08%				
Slope Stability	0.10		0.10	0.80%				
Erosion / Bank Caving	0.01		0.01	0.08%				
Supplemental	0.20		0.20	2 249/				
2015 USACE Erosion Survey, DRAFT	0.29		0.29	2.31%	0.02			
DWR UCIP Field Study	0.50	0.00	0.52	4 4 4 0 /	0.03	0.00	0.00	0.00
Unit Totals:	0.52	0.00	0.52	4.14%	0.88	0.00	0.00	0.00

## Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

Earthen Levee   Vegetation   1.20	acramento River Basin (cont.)								
Rated   Item	Unit No. 04 Feather River LB								
Rated Item   M Miles   U Miles   M + 4U Miles   Threshold %   M Miles   U	RD1001	U	13.27						
M Miles   U Miles   M + 4U Miles   Threshold %   M Miles   U Miles   Mil	<b>5</b>		Maintena	nce Deficiancy		Enforc	ement		
Vegetation   1.20	Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles		U Miles
Trim / Thin Trees	Earthen Levee								
Encroachments   Slope Stability   0.05   0.05   0.05   0.38%   0.12   0.01	Vegetation	1.20		1.20	9.04%	0.01	0.07		
Slope Stability   0.05   0.05   0.38%	Trim / Thin Trees	0.04		0.04	0.30%				
Supplemental   2015 USACE Erosion Survey, DRAFT   1.50	Encroachments					0.12	0.01		
Supplemental   2015 USACE Erosion Survey, DRAFT   1.50	Slope Stability	0.05		0.05	0.38%				
2015 USACE Erosion Survey, DRAFT   1.50	Erosion / Bank Caving	0.01		0.01	0.08%				
DWR UCIP Field Study	Supplemental								
Unit No. 05 Natomas Cross Canal RB   Overall Unit Rating   Rated Item   Miles   U Miles   M + 4U Miles   Total Unit Rating   DWR UCIP Field Study   Unit Totals:   0.03   0.00   0.03   0.56%   0.98   0.00   0.00   0.00	2015 USACE Erosion Survey, DRAFT	1.50		1.50	11.30%				
Design & System	DWR UCIP Field Study					0.07			
Rating   Miles   A   5.39	Unit Totals:	2.80	0.00	2.80	21.10%	0.20	0.08	0.00	0.00
Rated Item	Unit No. 05 Natomas Cross Canal RB								
Rated Item	RD1001	A	5.39						
M Miles   U Miles   M + 4U Miles   Threshold %   M Miles   U Miles   M Miles   U Mil			Maintena	nce Deficiancy		Enforc	ement		
Encroachments   0.94	Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles		
2015 USACE Erosion Survey, DRAFT	Earthen Levee								
2015 USACE Erosion Survey, DRAFT	Encroachments					0.94			
DWR UCIP Field Study									
Unit No. 06 East Side Canal RB	•	0.03		0.03	0.56%				
Unit No. 06 East Side Canal RB  RD1001  Rated Item  Miles  Maintenance Deficiancy  Miles  Mil	DWR UCIP Field Study					0.04			
Rating   Miles   A   4.74	Unit Totals:	0.03	0.00	0.03	0.56%	0.98	0.00	0.00	0.00
Maintenance Deficiancy         Enforcement         Design & System Obsolescence           M Miles         U Miles         M + 4U Miles         Threshold %         M Miles         U Miles         M Miles         U Miles           Earthen Levee         Trim / Thin Trees         0.01         0.01         0.21%         0.52         Image: Color of the color observation observation of the color observation of the color observation of the color observation observation of the color observation observation of the color observation obser	Unit No. 06 East Side Canal RB								
Rated Item   Maintenance Deficiancy   Enforcement   Obsolescence	RD1001	Α	4.74						
M Miles   U Miles   M + 4U Miles   Threshold %   M Miles   U Mil			Maintena	nce Deficiancy		Enforc	ement		
Trim / Thin Trees         0.01         0.01         0.21%           Encroachments         0.01         0.01         0.21%         0.52             Supplemental				M. ALLMIIO	Thursday 14 0/	M Miles	LI Milos		U Miles
Encroachments         0.01         0.01         0.21%         0.52           Supplemental	Rated Item	M Miles	U Miles	IVI + 40 IVIIIeS	i nresnoia %	IVI IVIIICS	O Miles		
Supplemental		M Miles	U Miles	IVI + 40 IVIIIeS	Threshold %	IVI IVIIICS	O ivilles		
	Earthen Levee		U Miles			W Wilco	O Miles		
DWR LICIP Field Study	Earthen Levee Trim / Thin Trees	0.01	U Miles	0.01	0.21%		O ivilles		
U.U U.UZ	Earthen Levee Trim / Thin Trees Encroachments Supplemental	0.01	U Miles	0.01	0.21%	0.52			
Unit Totals:         0.02         0.00         0.02         0.42%         0.59         0.02         0.00	Earthen Levee Trim / Thin Trees Encroachments Supplemental DWR UCIP Field Study	0.01	U Miles	0.01	0.21% 0.21%	0.52	0.02		

## Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

RD1500 Reclamation District No. 1500 Sutter Basin	Overall LMA Rating M *	Total LMA Miles 53.87		Threshold Perce Rated Miles are p instead of A.			ĹMA	
Rated Item		Maintena	nce Deficiancy		Enforc	ement	Design 8 Obsole	k System scence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee			·					
Vegetation	1.77		1.77	3.29%	0.09			
Trim / Thin Trees	0.02	0.01	0.06	0.11%				
Encroachments	0.06		0.06	0.11%	4.77	0.01		
Animal Control	0.07	0.04	0.23	0.43%				
Erosion / Bank Caving	0.03		0.03	0.06%				
Underseepage Relief Wells		0.01	0.04	0.07%				
Supplemental								
2015 USACE Erosion Survey, DRAFT	1.10		1.10	2.04%				
DWR UCIP Field Study					0.48	0.01		
LMA Totals:	3.05	0.06	3.29	6.11% *	5.34	0.02	0.00	0.00
Unit No. 01 Sacramento River LB	Overall Unit Rating	Total Unit Miles		Threshold Percer				
RD1500	M *	33.15	instead of A.	•			Ŭ	
NO 1000			nce Deficiancy		Enforc	ement		k System
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	Obsole M Miles	
Earthen Levee		•	10 11 10	7		•		000
Vegetation	1.77		1.77	5.34%	0.09			
Trim / Thin Trees	0.02	0.01	0.06	0.18%				
Encroachments	0.03		0.03	0.09%	4.77	0.01		
Animal Control	0.07	0.04	0.23	0.69%				
Erosion / Bank Caving	0.03		0.03	0.09%				
Supplemental			0.00	0.007				
2015 USACE Erosion Survey, DRAFT	1.10		1.10	3.32%				
DWR UCIP Field Study					0.48	0.01		
Unit Totals:	3.02	0.05	3.22	9.71% *	5.34	0.02	0.00	0.00
Unit No. 02 Sutter Bypass RB	Overall Unit Rating	Total Unit Miles	U Rated Mile	Threshold Perceres are present, so				
RD1500	M *	20.72	instead of A.					
D		Maintena	nce Deficiancy		Enforc	ement	Design 8 Obsole	k System scence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee			1					
Encroachments	0.03		0.03	0.15%				
Underseepage Relief Wells		0.01	0.04	0.19%				
Unit Totals:	0.03	0.01	0.07	0.34% *	0.00	0.00	0.00	0.00

# Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

DD4000	Overall LMA	Total LMA						
RD1600 Reclamation District No. 1600 Mull	Rating	Miles						
Reciamation District No. 1000 Main	U	14.69						
<b>5</b>		Maintena	nce Deficiancy		Enforc	ement		& System scence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	
Earthen Levee		l I					1	
Vegetation	5.63	0.04	5.79	39.41%				
Trim / Thin Trees	0.03	2.21	0.03	0.20%				
Encroachments	0.04	0.01	0.08	0.54%	0.11	0.01		
Animal Control	0.04		0.04	0.27%				
Slope Stability	0.17	0.04	0.17	1.16%				
Erosion / Bank Caving	0.44	0.01	0.48	3.27%				0.17
Seepage / Sandboils Supplemental								0.17
2015 USACE Erosion Survey, DRAFT	0.90		0.90	6.13%				
DWR UCIP Field Study					0.08	0.02		
LMA Totals:	7.25	0.06	7.49	50.98%	0.19	0.03	0.00	0.17
Unit No. 01 Sacramento River RB	Overall Unit Rating	Total Unit Miles			1			
RD1600	U	10.46						
ND 1000			nce Deficiancy		Enforc	ement		& System
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation	2.28	0.04	2.44	23.33%				
Trim / Thin Trees	0.03		0.03	0.29%				
Encroachments	0.02	0.01	0.06	0.57%	0.11	0.01		
Animal Control	0.04		0.04	0.38%				
Slope Stability	0.16		0.16	1.53%				
Erosion / Bank Caving	0.06	0.01	0.10	0.96%				
Seepage / Sandboils								0.17
2015 USACE Erosion Survey, DRAFT	0.90		0.90	8.61%				
DWR UCIP Field Study	0.50		0.50	0.0170	0.08	0.01		
Unit Totals:	3.49	0.06	3.73	35.66%	0.19	0.02	0.00	0.17
Unit No. 02 Yolo Bypass LB	Overall Unit Rating	Total Unit Miles						
RD1600	U	4.23						
		Maintena	nce Deficiancy		Enforc	ement		& System scence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	
Earthen Levee								
Vegetation	3.35		3.35	79.14%				
Encroachments	0.02		0.02	0.47%				
Slope Stability	0.01		0.01	0.24%				
Erosion / Bank Caving	0.38		0.38	8.98%				
Supplemental  DWR UCIP Field Study						0.01		
Unit Totals:	3.76	0.00	3.76	88.82%	0.00	0.01	0.00	0.00
Onit Totals.	5.70	0.00	5.70	00.02 /0	0.00	0.01	0.00	0.00

## Fall 2009 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

RD1601	Overall LMA Rating	Total LMA Miles						
Reclamation District No. 1601 Twitchell	A	2.43						
	A		nce Deficiancy		Enforc	ement		k System
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	Obsole M Miles	U Miles
Supplemental							1	
DWR UCIP Field Study					0.07			
LMA Totals:	0.00	0.00	0.00	0.00%	0.07	0.00	0.00	0.00
RD1660	Overall LMA	Total LMA						
Reclamation District No. 1660 Tisdale	Rating	Miles						
	A	12.04						
D		Maintena	nce Deficiancy		Enforc	ement	Design & Obsole	k System scence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee	1		T			I	I	
Encroachments					0.43	0.33		
Slope Stability	0.06		0.06	0.50%				
Supplemental 2015 USACE Erosion Survey, DRAFT	0.03		0.03	0.25%				
DWR UCIP Field Study	0.00		0.00	0.2070	0.04			
LMA Totals:	0.09	0.00	0.09	0.75%	0.47	0.33	0.00	0.00
Unit No. 01 Sacramento River LB	Overall Unit Rating	Total Unit Miles						
RD1660	Α	2.94						
Rated Item		Maintena	nce Deficiancy		Enforc	ement		k System scence
Nateu item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee			1		0.42	0.22	Ι	
Encroachments Slope Stability	0.05		0.05	1.70%	0.42	0.33		
Slope Stability Supplemental	0.05		0.05	1.70%				
2015 USACE Erosion Survey, DRAFT	0.03		0.03	1.02%				
DWR UCIP Field Study					0.03			
Unit Totals:	0.08	0.00	0.08	2.72%	0.45	0.33	0.00	0.00
Unit No. 02 Sutter Bypass RB	Overall Unit Rating	Total Unit Miles						
RD1660	A	9.10						
			nce Deficiancy		Enforc	ement		System
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles		M Miles	U Miles
Earthen Levee				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
Encroachments					0.01			
Slope Stability	0.01		0.01	0.11%				
Supplemental Supplemental					0.04			
DWR UCIP Field Study	0.04	0.00	0.04	0.440/	0.01	0.00	0.00	0.00
Unit Totals:	0.01	0.00	0.01	0.11%	0.02	0.00	0.00	0.00

## Fall 2009 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

RD2035	Overall LMA	Total LMA						
Reclamation District No. 2035 Conaway	Rating	Miles						
recommend District No. 2000 Containe,	M	12.15						
		Maintena	nce Deficiancy		Enforc	ement	Design & Obsole	
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Encroachments					6.36			
Flood Preparedness & Training	0.12		0.12	0.99%				
Supplemental	4.24		4.24	40.700/				
2015 USACE Erosion Survey, DRAFT	1.31		1.31	10.78%	0.40	0.00		
DWR UCIP Field Study	4.40	0.00	4.40	44.770/	0.12	0.02	0.00	0.00
LMA Totals:	1.43	0.00	1.43	11.77%	6.48	0.02	0.00	0.00
Unit No. 01 Cache Creek Settling Basin RB	Overall Unit Rating	Total Unit Miles						
RD2035	Α	2.01						
		Maintena	nce Deficiancy		Enforc	ement	Design 8	
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	Obsole M Miles	U Miles
Supplemental		•				•		•
DWR UCIP Field Study					0.04			
Unit Totals:	0.00	0.00	0.00	0.00%	0.04	0.00	0.00	0.00
Unit No. 02 Yolo Bypass RB	Overall Unit Rating	Total Unit Miles						
DDOOG	M	7.63						
RD2035	IVI		5.00		Ι _ ,		Design 8	System
Rated Item			nce Deficiancy	<b>T</b>		ement	Obsole	scence
Forther Leves	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Encroachments								
Supplemental					3.98			
					3.98			
2015 USACE Erosion Survey, DRAFT	1.31		1.31	17.17%	3.98			
2015 USACE Erosion Survey, DRAFT  DWR UCIP Field Study	1.31		1.31	17.17%	0.05	0.01		
3.	1.31	0.00	1.31	17.17% 17.17%		0.01	0.00	0.00
DWR UCIP Field Study		0.00 Total Unit			0.05		0.00	0.00
DWR UCIP Field Study  Unit Totals:	1.31 Overall Unit	Total Unit			0.05		0.00	0.00
DWR UCIP Field Study  Unit Totals:  Unit No. 03 Willow Slough Bypass LB  RD2035	1.31 Overall Unit Rating	Total Unit Miles 2.51	1.31		0.05		Design 8	System
DWR UCIP Field Study  Unit Totals:  Unit No. 03 Willow Slough Bypass LB	1.31  Overall Unit Rating A	Total Unit Miles 2.51 Maintena	1.31	17.17%	0.05 4.03	0.01	Design & Obsole	System scence
DWR UCIP Field Study Unit Totals:  Unit No. 03 Willow Slough Bypass LB  RD2035  Rated Item	1.31 Overall Unit Rating	Total Unit Miles 2.51	1.31		0.05	0.01	Design 8	System
DWR UCIP Field Study  Unit Totals:  Unit No. 03 Willow Slough Bypass LB  RD2035	1.31  Overall Unit Rating A	Total Unit Miles 2.51 Maintena	1.31	17.17%	0.05 4.03	0.01	Design & Obsole	System scence
DWR UCIP Field Study Unit Totals:  Unit No. 03 Willow Slough Bypass LB  RD2035  Rated Item  Earthen Levee  Encroachments Supplemental	1.31  Overall Unit Rating A	Total Unit Miles 2.51 Maintena	1.31	17.17%	0.05 4.03 Enforce M Miles	0.01	Design & Obsole	System scence
DWR UCIP Field Study Unit Totals:  Unit No. 03 Willow Slough Bypass LB  RD2035  Rated Item  Earthen Levee  Encroachments	1.31  Overall Unit Rating A	Total Unit Miles 2.51 Maintena	1.31	17.17%	0.05 4.03 Enforce M Miles	0.01	Design & Obsole	System scence

## Fall 2009 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

RD2060	Overall LMA Rating	Total LMA Miles						
Reclamation District No. 2060 Hastings	U	15.65						
			nce Deficiancy		Enforc	ement		& System scence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	
Earthen Levee								
Vegetation	10.93		10.93	69.85%				
Encroachments					1.68			
Slope Stability	0.01		0.01	0.06%				
Repair Gates	0.01		0.01	0.06%				
Supplemental Supplemental	0.05		0.05	5.400/		I	I	
2015 USACE Erosion Survey, DRAFT	0.85		0.85	5.43%	0.00			
DWR UCIP Field Study	44.00	0.00	44.00	75 440/	0.09	0.00	0.00	0.00
LMA Totals:	11.80	0.00	11.80	75.41%	1.77	0.00	0.00	0.00
Unit No. 01 Lindsey Slough LB	Overall Unit Rating	Total Unit Miles						
RD2060	U	6.97						_
Date d Itare		Maintena	nce Deficiancy		Enforc	ement		& System scence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee			T	T		I	I	
Vegetation	9.97		9.97	143.02%				
Repair Gates	0.01		0.01	0.14%				
Supplemental  DWR UCIP Field Study					0.03			
Unit Totals:	9.98	0.00	9.98	143.16%	0.03	0.00	0.00	0.00
Unit rotals.	9.96	0.00	9.96	143.10%	0.03	0.00	0.00	0.00
Unit No. 02 Ulatis Creek RB	Overall Unit Rating	Total Unit Miles						
RD2060	Α	3.64						
Dotad Itam		Maintena	nce Deficiancy		Enforc	ement		& System scence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee			I	l		I	I	
Vegetation	0.07		0.07	1.92%				
Encroachments					1.68			
Supplemental  DWR UCIP Field Study					0.03			
Unit Totals:	0.07	0.00	0.07	1.92%	1.71	0.00	0.00	0.00
O'III Totals.	0.07	0.00	0.07	1.5270	1.71	0.00	0.00	0.00
Unit No. 03 Cache Slough RB	Overall Unit Rating	Total Unit Miles						
RD2060	U	5.03						
Date differen		Maintena	nce Deficiancy		Enforc	ement		& System scence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	
Earthen Levee								
Vegetation	0.89		0.89	17.68%				
Slope Stability	0.01		0.01	0.20%				
Supplemental 2015 USACE Erosion Survey, DRAFT	0.85		0.85	16.89%				
DWR UCIP Field Study	0.65		0.85	10.09%	0.02			
Unit Totals:	1.75	0.00	1.75	34.76%	0.03	0.00	0.00	0.00
Unit Totals.	1.75	0.00	1.75	34.70%	0.03	0.00	0.00	0.00

## Fall 2009 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

	0 "11144	T						
RD2068	Overall LMA Rating	Total LMA Miles						
Reclamation District No. 2068 Yolano	A	8.71						
			noo Doficionay		Enforce	ement		& System
Rated Item	M Miles	U Miles	nce Deficiancy M + 4U Miles	Threshold %	M Miles	1	Obsole M Miles	U Miles
Earthen Levee	IVI IVIIIOO	0 1111100		Till Colloid 70	101 1011100	0 1111100	141 1411100	0 1111100
Animal Control	0.35		0.35	4.02%				
Supplemental								
DWR UCIP Field Study					0.13	0.01		
LMA Totals:	0.35	0.00	0.35	4.02%	0.13	0.01	0.00	0.00
Unit No. 01 Yolo Bypass RB	Overall Unit Rating	Total Unit Miles						
RD2068	A	5.48						
	Maintenance Deficiancy Enforcem			ement		& System scence		
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	1	M Miles	U Miles
Earthen Levee								
Animal Control	0.35		0.35	6.38%				
Supplemental	I					I	ı	
DWR UCIP Field Study					0.04	0.01		
Unit Totals:	0.35	0.00	0.35	6.38%	0.04	0.01	0.00	0.00
Unit No. 02 Back Levee LB	Overall Unit Rating	Total Unit Miles						
RD2068	A	3.22						
5 . 16		Maintena	nce Deficiancy		Enforc	ement		& System scence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Supplemental								
DWR UCIP Field Study					0.09			
Unit Totals:	0.00	0.00	0.00	0.00%	0.09	0.00	0.00	0.00
RD2098 Reclamation District No. 2098 Cache	Overall LMA Rating	Total LMA Miles						
and Haas Slough	U	10.91						
5		Maintena	nce Deficiancy		Enforc	ement		& System scence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation	1.59	0.49	3.55	32.55%				
Encroachments	0.03		0.03	0.28%	0.01			
Slope Stability	0.14	0.01	0.18	1.65%				
Erosion / Bank Caving	0.07		0.07	0.64%				
Repair Gates		0.02	0.08	0.73%				
Supplemental 2015 USACE Erosion Survey, DRAFT	0.60		0.60	6 220/				
	0.69		0.69	6.33%	0.46	0.05		
DWR UCIP Field Study  LMA Totals:	2.52	0.50	4.60	42.400/	0.16	0.05	0.00	0.00
LIVIA TOTAIS:	2.52	0.52	4.60	42.18%	0.17	0.05	0.00	0.00

## Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

Unit No. 01 Yolo Bypass RB	Overall Unit	Total Unit						
Office No. Of Folio Bypass RB	Rating	Miles						
RD2098	Α	3.60						
		Maintena	nce Deficiancy		Enforc	ement		& System scence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation	0.11		0.11	3.06%				
Supplemental DWP LICID Field Study	Γ	l			0.07	I	1	
DWR UCIP Field Study  Unit Totals:	0.11	0.00	0.11	3.06%	0.07	0.00	0.00	0.00
Unit rotals.	0.11	0.00	0.11	3.00%	0.07	0.00	0.00	0.00
Unit No. 01A Cross Levee RB	Overall Unit Rating	Total Unit Miles						
RD2098	Α	0.53						
		Maintena	nce Deficiancy		Enforc	ement		& System scence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
No Items								
Unit Totals:	0.00	0.00	0.00	0.00%				
Unit No. 02 Cache Slough LB	Overall Unit Rating	Total Unit Miles					1	
DD2009	U	1.89						
RD2098		Maintenance Deficiancy				omont		& System
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Enforcement M Miles U Miles		Obsole M Miles	U Miles
Earthen Levee	IVI IVIIIeS	O ivilles	IVI + 40 IVIIIeS	Tillesiloid /6	IVI IVIIIES	O ivilles	IVI IVIIIES	O ivilles
Vegetation	0.14	0.25	1.14	60.18%				
Encroachments	0.02		0.02	1.06%	0.01			
Erosion / Bank Caving	0.02		0.02	1.06%				
Repair Gates		0.02	0.08	4.22%				
Supplemental		<u> </u>						
DWR UCIP Field Study					0.04			
Unit Totals:	0.18	0.27	1.26	66.52%	0.05	0.00	0.00	0.00
Unit No. 03 Haas Slough RB	Overall Unit Rating	Total Unit Miles						
RD2098	U	1.94						
		Maintena	nce Deficiancy		Enforc	ement		& System
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles		M Miles	U Miles
Earthen Levee								
Vegetation	1.34	0.24	2.30	118.79%				
Encroachments	0.01		0.01	0.52%				
Slope Stability	0.14	0.01	0.18	9.30%				
Supplemental	0.20		0.20	20.440/				
2015 USACE Erosion Survey, DRAFT	0.39		0.39	20.14%	0.04	0.00		
DWR UCIP Field Study	1.00	0.25	2.00	140 740/	0.01	0.02	0.00	0.00
Unit Totals:	1.88	0.25	2.88	148.74%	0.01	0.02	0.00	0.00

## Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

## S

acramento River Basin (cont.)								
Unit No. 04 Back Levee LB	Overall Unit Rating	Total Unit Miles						
RD2098	M	2.95						
5		Maintena	nce Deficiancy		Enforc	ement		& System scence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	
Earthen Levee								
Erosion / Bank Caving	0.05		0.05	1.69%				
Supplemental 2015 USACE Erosion Survey, DRAFT	0.20		0.20	40.400/				
DWR UCIP Field Study	0.30		0.30	10.16%	0.04	0.03		
Unit Totals:	0.35	0.00	0.35	11.86%	0.04	0.03	0.00	0.00
Offil Totals.	0.35	0.00	0.33	11.00%	0.04	0.03	0.00	0.00
RD2103	Overall LMA	Total LMA						
Reclamation District No. 2103	Rating	Miles						
Wheatland Vicinity	M	9.53						
5		Maintena	nce Deficiancy		Enforc	ement	Design 8 Obsole	& System
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation	1.72		1.72	18.05%				
Encroachments					0.50			
Animal Control	0.02		0.02	0.21%				
Supplemental Charles Standard Charles	I				0.00	0.00		
DWR UCIP Field Study	4.74	0.00	4.74	40.000/	0.20	0.02	0.00	0.00
LMA Totals:	1.74	0.00	1.74	18.26%	0.70	0.02	0.00	0.00
Unit No. 01 South Dry Creek LB	Overall Unit Rating	Total Unit Miles						
RD2103	A	4.64						
105			nce Deficiancy		Enforc	ement		& System
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	· · · · ·	M Miles	U Miles
Earthen Levee	IVI IVIIICS	O ivilles	IVI + 40 IVIIIes	Tillesiloid /6	IVI IVIIIES	O ivilles	IVI IVIIICS	O ivilles
Encroachments					0.48			
Animal Control	0.02		0.02	0.43%				
Supplemental								
DWR UCIP Field Study					0.11	0.01		
Unit Totals:	0.02	0.00	0.02	0.43%	0.59	0.01	0.00	0.00
Unit No. 02 Bear River RB	Overall Unit Rating	Total Unit Miles						
RD2103	U	4.88						
		Maintenance Deficiancy			Enforc	ement		& System
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee	111 1111103	3 1111100	1 10 11100			3 1111130		3 1111130
Vegetation	1.72		1.72	35.23%				
Encroachments					0.02			
Supplemental	ı	T					i I	
DWR UCIP Field Study					0.09	0.01		
Unit Totals:	1.72	0.00	1.72	35.23%	0.11	0.01	0.00	0.00

## Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

RD2104 Reclamation District No. 2104 Peters	Overall LMA Rating	Total LMA Miles							
Pocket Tract	U	6.85							
Rated Item		Maintena	nce Deficiancy		Enforcement			Design & System Obsolescence	
realed item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles U Miles		M Miles	U Miles	
Earthen Levee									
Vegetation	14.02	1.86	21.46	313.36%					
Trim / Thin Trees	0.01		0.01	0.15%					
Encroachments						0.01			
Slope Stability	0.01		0.01	0.15%					
Erosion / Bank Caving	0.15	0.02	0.23	3.36%					
Crown Surface / Depressions / Rutting	6.67		6.67	97.40%					
Repair Gates	0.02	0.02	0.10	1.46%					
Emergency Supplies & Equipment	0.07		0.07	1.02%					
Flood Preparedness & Training	0.07		0.07	1.02%					
Supplemental									
DWR UCIP Field Study					0.06	0.04			
LMA Totals:	21.02	1.90	28.62	417.91%	0.06	0.05	0.00	0.00	

ST0001	Overall LMA Rating	Total LMA Miles						
Sacramento Maintenance Yard Cache Creek	A	25.43						
D			nce Deficiancy		Enforc	ement	Design 8 Obsole	
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	
Earthen Levee								
Vegetation	0.26		0.26	1.02%	0.29			
Encroachments	0.01		0.01	0.04%	2.00			
Animal Control	0.02		0.02	0.08%				
Slope Stability	0.01		0.01	0.04%				
Erosion / Bank Caving	0.02		0.02	0.08%				
Supplemental								
2015 USACE Erosion Survey, DRAFT	0.07		0.07	0.28%				
DWR UCIP Field Study					0.07			
LMA Totals:	0.39	0.00	0.39	1.53%	2.36	0.00	0.00	0.00

## Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

acramento River Basiii (cont.)								
Unit No. 01 North Levee LB	Overall Unit Rating	Total Unit Miles						
ST0001	Α	11.69						
D		Maintena	nce Deficiancy		Enforc	ement		& System escence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	
Earthen Levee								
Vegetation	0.26		0.26	2.22%	0.20			
Encroachments					1.41			
Animal Control	0.02		0.02	0.17%				
Slope Stability	0.01		0.01	0.09%				
Supplemental 5: 110: 1		<u> </u>			0.07		I	
DWR UCIP Field Study				- 100/	0.07			
Unit Totals:	0.29	0.00	0.29	2.48%	1.68	0.00	0.00	0.00
Unit No. 02 South Levee RB	Overall Unit Rating	Total Unit Miles						
ST0001	Α	11.48						
		Maintena	nce Deficiancy		Enforce	ement		& System escence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	
Earthen Levee								
Vegetation					0.09			
Encroachments	0.01		0.01	0.09%	0.59			
Erosion / Bank Caving	0.02		0.02	0.17%				
Supplemental								
2015 USACE Erosion Survey, DRAFT	0.07		0.07	0.61%				
Unit Totals:	0.10	0.00	0.10	0.87%	0.68	0.00	0.00	0.00
Unit No. 04 East Training Levee of Cache Creek Settling Basin LB	Overall Unit Rating	Total Unit Miles						
ST0001	A	2.26						
			nce Deficiancy		Enforc	ement	Design & System	
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
No Items	IVI IVIIICS	O WIIICO	W 1 40 Willes	Till Colloid 70	IVI IVIIICO	O WINCO	IVI IVIIICO	O WINGS
Unit Totals:	0.00	0.00	0.00	0.00%				
Om rotais.	0.00	0.00	0.00	0.0076				
ST0002 Sutter Maintenance Yard East Levee	Overall LMA Rating	Total LMA Miles		Threshold Perce Rated Miles are p				
Sutter Bypass	M *	21.68	Rating is M	instead of A.				
		Maintena	nce Deficiancy		Enforc	ement		& System
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles		U Miles
Earthen Levee Vegetation	0.32		0.32	1.48%				
Encroachments	0.32		0.32	1.4070		0.01		
Animal Control	0.03	0.01	0.07	0.32%		0.01		
	0.03	0.01	0.07	0.32%				
Slope Stability Supplemental	0.03		0.03	0.14%				
2015 USACE Erosion Survey, DRAFT	0.03		0.03	0.14%				
DWR UCIP Field Study					0.11	0.03		
LMA Totals:	0.41	0.01	0.45	2.08% *	0.11	0.04	0.00	0.00
			51.0	=:-070			3.00	

## Fall 2009 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

ST0003 Sutter Maintenance Yard East Levee	Overall LMA Rating	Total LMA Miles	Overall LMA Threshold Percent is less than 10.00%;     however, U Rated Miles are present, so the Overall LMA					
Sacramento River	M *	26.82	Rating is M i	nstead of A.				
Rated Item		Maintena	nce Deficiancy		& System scence			
Nateu item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation	0.83		0.83	3.10%	0.01			
Trim / Thin Trees	0.07		0.07	0.26%				
Encroachments					1.83	0.06		
Animal Control	0.08	0.01	0.12	0.45%				
Slope Stability	0.05		0.05	0.19%				
Erosion / Bank Caving	0.02		0.02	0.08%				
Supplemental								
2015 USACE Erosion Survey, DRAFT	0.36		0.36	1.34%				
DWR UCIP Field Study					0.38	0.11		
LMA Totals:	1.41	0.01	1.45	5.41% *	2.22	0.17	0.00	0.00

## Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

Unit No. 01 Sacramento River LB	Overall Unit Rating	Total Unit Miles	U Rated Mile	Threshold Perceres are present, so				
ST0003	M *	19.85	instead of A.					
Rated Item		Maintena	nce Deficiancy		Enford	cement	Design 8 Obsole	& System scence
Rated item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee	T	I	1				I	
Vegetation	0.05		0.05	0.25%	0.01			
Trim / Thin Trees	0.04		0.04	0.20%				
Encroachments					1.24	0.06		
Animal Control	0.08	0.01	0.12	0.60%				
Slope Stability	0.04		0.04	0.20%				
Erosion / Bank Caving	0.01		0.01	0.05%				
Supplemental	0.26		0.26	4.040/				
2015 USACE Erosion Survey, DRAFT  DWR UCIP Field Study	0.36		0.36	1.81%	0.37	0.11		
,	0.58	0.01	0.62	2 120/ +	1.62	0.11	0.00	0.00
Unit Totals:	0.56	0.01	0.62	3.12% *	1.02	0.17	0.00	0.00
Unit No. 02 Colusa Bypass RB	Overall Unit Rating	Total Unit Miles						
ST0003	A	2.20						
		Maintena	nce Deficiancy		Enforc	ement	Design & Obsole	System
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee			1					
Vegetation	0.18		0.18	8.19%				
Trim / Thin Trees	0.02		0.02	0.91%				
Supplemental						1		
DWR UCIP Field Study					0.01			
Unit Totals:	0.20	0.00	0.20	9.10%	0.01	0.00	0.00	0.00
Unit No. 03 Colusa Bypass LB	Overall Unit Rating	Total Unit Miles						
ST0003	U	2.29						
		Maintena	nce Deficiancy		Enforc	cement	Design 8 Obsole	k System
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles		U Miles
Earthen Levee								
Vegetation	0.60		0.60	26.23%				
Trim / Thin Trees	0.01		0.01	0.44%				
Slope Stability	0.01		0.01	0.44%				
Erosion / Bank Caving	0.01		0.01	0.44%				
Unit Totals:	0.63	0.00	0.63	27.54%	0.00	0.00	0.00	0.00
Unit No. 04 Moulton Bypass RB	Overall Unit Rating	Total Unit Miles						
ST0003	Α	0.30						
			nce Deficiancy		Enforc	cement		k System
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Enforcement  M Miles U Miles		Obsole M Miles	
No Items	IVI IVIIIES	O MILES	IVI + 40 IVIIIeS	Tillesilolu %	INI INIIIE2	O IVIIIeS	IVI IVIIIES	O IVIIIES
Unit Totals:	0.00	0.00	0.00	0.00%				
Unit Totals:	0.00	0.00	0.00	0.00%				

## Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

Unit No. 05 Moulton Bypass LB	Overall Unit Rating	Total Unit Miles						
ST0003	Α	2.19						
Rated Item	Maintenance Deficiancy Enforcement				ement	Design & System Obsolescence		
Rated item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Encroachments					0.59			
Unit Totals:	0.00	0.00	0.00	0.00%	0.59	0.00	0.00	0.00

ST0004 Sacramento Maintenance Yard East	Overall LMA Rating	Total LMA Miles						
Levee Yolo Bypass	A	2.01						
Rated Item		Maintena	nce Deficiancy		Enforc	ement	Design & Obsole	& System scence
Nateu item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Animal Control	0.01		0.01	0.50%				
Erosion / Bank Caving							0.01	
Crown Surface / Depressions / Rutting	0.13		0.13	6.46%				
LMA Totals:	0.14	0.00	0.14	6.95%	0.00	0.00	0.01	0.00

ST0005 Sutter Maintenance Yard Hamilton Bend	Overall LMA Rating	Total LMA Miles						
	U	3.39						
Rated Item		Maintena	nce Deficiancy		Enforc	ement	Design 8 Obsole	System scence
Nateu item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation	1.15	0.01	1.19	35.06%				
Trim / Thin Trees	1.36	0.71	4.20	123.73%				
Encroachments					0.85			
Supplemental								
DWR UCIP Field Study					0.02			
LMA Totals:	2.51	0.72	5.39	158.79%	0.87	0.00	0.00	0.00

ST0006 Sutter Maintenance Yard Nelson Bend	Overall LMA Rating	Total LMA Miles						
	U	0.50						
Rated Item	Maintenance Deficiancy				Enforcement		Design & System Obsolescence	
Rateu Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation	0.06	0.84	3.42	687.99%				
Encroachments						0.10		
LMA Totals:	0.06	0.84	3.42	687.99%	0.00	0.10	0.00	0.00

## Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

ST0007	Overall LMA	Total LMA						
Sacramento Maintenance Yard Putah	Rating	Miles						
Creek	M	16.33						
5		Maintena	nce Deficiancy		Enforc	ement		& System escence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	1
Earthen Levee								
Vegetation	1.37	0.10	1.77	10.84%				
Trim / Thin Trees	0.07		0.07	0.43%				
Encroachments	0.19		0.19	1.16%	1.57	0.39		
Animal Control	0.35		0.35	2.14%				
Supplemental	0.00							
2015 USACE Erosion Survey, DRAFT	0.13		0.13	0.80%				
DWR UCIP Field Study					0.21			
LMA Totals:	2.11	0.10	2.51	15.37%	1.78	0.39	0.00	0.00
Unit No. 01 Putah Creek or North Levee	Overall Unit	Total Unit	2.01	10.01 /0	1.70	0.00	0.00	0.00
LB	Rating	Miles						
ST0007	A	8.79					Design S	2 System
Rated Item		Maintena	nce Deficiancy		Enforc	ement	Design & System Obsolescence	
Natou item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee	l	I				T	T	T
Encroachments					1.51			
Animal Control	0.03		0.03	0.34%				
Supplemental		T				I	I	I
2015 USACE Erosion Survey, DRAFT	0.13		0.13	1.48%				
DWR UCIP Field Study					0.10			
Unit Totals:	0.16	0.00	0.16	1.82%	1.61	0.00	0.00	0.00
Unit No. 02 Putah Creek or South Levee RB	Overall Unit Rating	Total Unit Miles						
ST0007	U	7.55						
310007			D. (; ;		- <i>(</i>		Design 8	& System
Rated Item	NA NATIO	1	nce Deficiancy	Thursday of		ement		scence
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee Vegetation	1.37	0.10	1.77	23.46%				
Trim / Thin Trees		0.10		0.93%				
	0.07		0.07		0.00	0.00		
Encroachments	0.19		0.19	2.52%	0.06	0.39		
Animal Control	0.32		0.32	4.24%				
Supplemental  DWR UCIP Field Study					0.11			
·	1.05	0.40	0.05	24 4 407		0.30	0.00	0.00
Unit Totals:	1.95	0.10	2.35	31.14%	0.17	0.39	0.00	0.00
ST0008	Overall LMA	Total LMA						
Sacramento Maintenance Yard	Rating	Miles						
Sacramento Maintenance Taru Sacramento Bypass	A	3.52						
			non Doficionar		- Code	omort.		& System
Rated Item	NA NATI		nce Deficiancy	Thursday 14.64		ement	Obsole	scence
5 " 1	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Encroachments	0.02		0.02	0.57%				
Animal Control	0.02							
			0.02	0.57%				
Slope Stability	0.01		0.01	0.28%				
Supplemental DWR UCIP Field Study					0.02			
-	0.05	0.00	0.05	1 400/		0.00	0.00	0.00
LMA Totals:	0.05	0.00	0.05	1.42%	0.02	0.00	0.00	0.00

## Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

acramento River Basin (cont.)								
Unit No. 01 Sacramento Bypass or North Levee RB	Overall Unit Rating	Total Unit Miles						
ST0008	A	1.74						
5		Maintena	nce Deficiancy		Enforc	ement	Design 8 Obsole	System scence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Encroachments	0.01		0.01	0.58%				
Animal Control	0.01		0.01	0.58%				
Slope Stability	0.01		0.01	0.58%				
Supplemental								
DWR UCIP Field Study					0.02			
Unit Totals:	0.03	0.00	0.03	1.73%	0.02	0.00	0.00	0.00
Unit No. 02 Sacramento Bypass or South Levee LB	Overall Unit Rating	Total Unit Miles						
ST0008	Α	1.79						
		Maintena	nce Deficiancy		Enforc	ement	Design & System Obsolescence	
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Encroachments	0.01		0.01	0.56%				
Animal Control	0.01		0.01	0.56%				
Unit Totals:	0.02	0.00	0.02	1.12%	0.00	0.00	0.00	0.00
ST0009	Overall LMA	Total LMA Miles		Threshold Perce				
Sutter Maintenance Yard Tisdale	Rating		however, U l Rating is M i	Rated Miles are p Instead of A.	resent, so t	he Overall	LMA	
Bypass	M *	8.94			l		Design 8	System
Rated Item			nce Deficiancy			ement	Obsole	scence
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee	0.04		0.04	0.440/				
Vegetation	0.01		0.01	0.11%	0.07			
Encroachments	0.04	0.04	0.05	0.500/	2.07			
Animal Control	0.01	0.01	0.05	0.56%				
Erosion / Bank Caving	0.06		0.06	0.67%				
Supplemental DWR LICID Field Study	l l				0.05			
DWR UCIP Field Study	0.08	0.01	0.42	1 240/ *	0.05	0.00	0.00	0.00
LMA Totals:	0.08	0.01	0.12	1.34% *	2.12	0.00	0.00	0.00

## Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

Unit No. 01 Tisdale Bypass LB	Overall Unit Rating	Total Unit Miles	U Rated Mile	es are present, so	rcent is less than 10.00%; however, t, so the Overall Unit Rating is M					
ST0009	M *	4.51	instead of A.							
Dated Itam		Maintena	nce Deficiancy		Enforc	ement		k System scence		
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles		
Earthen Levee										
Vegetation	0.01		0.01	0.22%						
Encroachments					1.92					
Animal Control	0.01	0.01	0.05	1.11%						
Supplemental										
DWR UCIP Field Study					0.03					
Unit Totals:	0.02	0.01	0.06	1.33% *	1.95	0.00	0.00	0.00		
Jnit No. 02 Tisdale Bypass RB	Overall Unit Rating	Total Unit Miles								
ST0009	Α	4.43								
		Maintena	nce Deficiancy		Enforc	ement		System scence		
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles		
Earthen Levee										
Encroachments					0.15					
Erosion / Bank Caving	0.06		0.06	1.35%						
Supplemental										
DWR UCIP Field Study					0.02					
Unit Totals:	0.06	0.00	0.06	1.35%	0.17	0.00	0.00	0.00		
ST0010	Overall LMA	Total LMA								
Sutter Maintenance Yard Wadsworth	Rating	Miles								
Canal	U	9.22								
		Maintena	nce Deficiancy		Enforc	ement		& System scence		
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles		
Earthen Levee										
Animal Control	0.02	0.01	0.06	0.65%						
Slope Stability	0.03		0.03	0.33%						
Erosion / Bank Caving	0.55	0.01	0.59	6.40%						
Cracking							0.01			
Supplemental										
2015 USACE Erosion Survey, DRAFT	3.04		3.04	32.96%						
DWR UCIP Field Study					0.13	0.01				
LMA Totals:	3.64	0.02	3.72	40.33%	0.13	0.01	0.01	0.00		

# Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

Unit No. 01 Wadsworth Canal LB	Overall Unit Rating	Total Unit Miles						
ST0010	U	4.63						
Rated Item	Maintenance Deficiancy				Enforcement		Design & System Obsolescence	
Rated item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Animal Control	0.01		0.01	0.22%				
Erosion / Bank Caving	0.13	0.01	0.17	3.67%				
Supplemental								
2015 USACE Erosion Survey, DRAFT	1.52		1.52	32.86%				
DWR UCIP Field Study					0.06			
Unit Totals:	1.66	0.01	1.70	36.75%	0.06	0.00	0.00	0.00

Unit No. 02 Wadsworth Canal RB	Overall Unit Rating	Total Unit Miles						
ST0010	U	4.60						
Rated Item	Maintenance Deficiancy				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Animal Control	0.01	0.01	0.05	1.09%				
Slope Stability	0.03		0.03	0.65%				
Erosion / Bank Caving	0.42		0.42	9.13%				
Cracking							0.01	
Supplemental								
2015 USACE Erosion Survey, DRAFT	1.52		1.52	33.06%				
DWR UCIP Field Study					0.07	0.01		
Unit Totals:	1.98	0.01	2.02	43.93%	0.07	0.01	0.01	0.00

ST0011	Overall LMA Rating	Total LMA Miles						
Sacramento Maintenance Yard West Levee Yolo Bypass	A	9.01						
Rated Item		Maintenance Deficiancy					Design & System Obsolescence	
Rateu item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation	0.06		0.06	0.67%				
Encroachments					5.31			
Animal Control	0.01		0.01	0.11%				
Slope Stability	0.01		0.01	0.11%				
Erosion / Bank Caving							0.02	
Crown Surface / Depressions / Rutting	0.01		0.01	0.11%				
Repair Gates	0.01		0.01	0.11%				
Structures & Concrete Lined Channels								
Flap Gates	0.01		0.01	0.11%				
Supplemental								
2015 USACE Erosion Survey, DRAFT	0.16		0.16	1.78%				
DWR UCIP Field Study					0.09	0.01		
LMA Totals:	0.27	0.00	0.27	3.00%	5.40	0.01	0.02	0.00

## Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

Unit No. 01 West Levee RB	Overall Unit	Total Unit						
	Rating	Miles						
ST0011	A	2.73						
		Maintena	nce Deficiancy		Enforc	ement		& System escence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	1
Earthen Levee								I
Encroachments					2.63			
Supplemental								,
2015 USACE Erosion Survey, DRAFT	0.16		0.16	5.87%				
DWR UCIP Field Study					0.01			
Unit Totals:	0.16	0.00	0.16	5.87%	2.64	0.00	0.00	0.00
Unit No. 02 West Levee RB	Overall Unit Rating	Total Unit Miles						
070044	A	1.52						
ST0011	_ ^						Design 8	& System
Rated Item			nce Deficiancy			ement	Obsole	escence
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee		1	1		0.70		1	1
Encroachments					0.79			
Supplemental  DWR UCIP Field Study						0.01		
Unit Totals:	0.00	0.00	0.00	0.00%	0.79	0.01	0.00	0.00
Unit rotals.	0.00	0.00	0.00	0.00%	0.79	0.01	0.00	0.00
Unit No. 03 West Levee RB	Overall Unit Rating	Total Unit Miles						
ST0011	Α	1.15						
		Maintena	nce Deficiancy		Enforc	ement	Design 8	& System
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %		U Miles	M Miles	U Miles
Supplemental	IVI IVIIIES	O ivilles	IVI + 40 IVIIIes	Tillesiloid /6	IVI IVIIICS	O Willes	IVI IVIIICS	O Willes
DWR UCIP Field Study					0.01			
Unit Totals:	0.00	0.00	0.00	0.00%	0.01	0.00	0.00	0.00
		0.00	0.00	0.0070	0.0.	0.00	0.00	0.00
Unit No. 04 West Levee RB	Overall Unit Rating	Total Unit Miles						
ST0011	A	3.61						
		Maintena	nce Deficiancy		Enforc	ement		& System escence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %		U Miles	M Miles	1
Earthen Levee		000		71110011010 70		•		0
Vegetation	0.06		0.06	1.66%				
Encroachments					1.89			
Animal Control	0.01		0.01	0.28%				
Slope Stability	0.01		0.01	0.28%				
Erosion / Bank Caving	1			,-			0.02	
Crown Surface / Depressions / Rutting	0.01		0.01	0.28%				
Repair Gates	0.01		0.01	0.28%				
	1 0.01		0.01	0.2070				
•								
Structures & Concrete Lined Channels	0.01		0.01	0.28%				
•	0.01		0.01	0.28%				
Structures & Concrete Lined Channels Flap Gates	0.01		0.01	0.28%	0.07			
Structures & Concrete Lined Channels Flap Gates Supplemental	0.01	0.00	0.01	0.28%	0.07	0.00	0.02	0.00

## Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

## Sacramento River Basin (cont.)

ST0012	Overall LMA	Total LMA						
Sacramento Maintenance Yard Willow	Rating	Miles						
Slough Bypass	A	12.51						
<b>5</b>		Maintena	nce Deficiancy		Enford	cement		System scence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Mile:
Earthen Levee		<u> </u>						
Encroachments	0.02		0.02	0.16%	1.44			
Slope Stability	0.01		0.01	0.08%				
Erosion / Bank Caving	0.20		0.20	1.60%				
Cracking	0.02		0.02	0.16%			0.03	
Crown Surface / Depressions / Rutting	0.34		0.34	2.72%				
Supplemental  DWR UCIP Field Study	I				0.04			
LMA Totals:	0.59	0.00	0.59	4.72%	1.48	0.00	0.03	0.00
LIVIA TOTALS.	0.59	0.00	0.59	4.7270	1.40	0.00	0.03	0.00
Unit No. 01 Willow Slough Bypass or	Overall Unit	Total Unit						
North Levee LB	Rating	Miles						
ST0012	A	5.05					Design 8	& System
Rated Item		1	nce Deficiancy		Enforcement		Obsole	scence
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Encroachments	0.01		0.01	0.20%	1.16			
Erosion / Bank Caving	0.07		0.07	1.39%	1.10			
Cracking	0.07		0.07	0.40%			0.01	
Crown Surface / Depressions / Rutting	0.02		0.02	0.59%			0.01	
Supplemental	0.00		0.00	0.0070				
DWR UCIP Field Study					0.02			
Unit Totals:	0.13	0.00	0.13	2.57%	1.18	0.00	0.01	0.00
Unit No. 02 Willow Slough Bypass or	Overall Unit	Total Unit			•			
South Levee RB	Rating	Miles						
ST0012	A	7.46						
010012		Maintena	nce Deficiancy		Enforc	cement		k System
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	scence U Miles
Earthen Levee	1							
Encroachments	0.01		0.01	0.13%	0.28			
Slope Stability	0.01		0.01	0.13%				
Erosion / Bank Caving	0.13		0.13	1.74%				
Cracking							0.02	
Crown Surface / Depressions / Rutting	0.31		0.31	4.16%				
Supplemental Supplemental					0.00			
DWR UCIP Field Study	0.40	0.00	0.10	0.470/	0.02	0.00	0.00	0.00
Unit Totals:	0.46	0.00	0.46	6.17%	0.30	0.00	0.02	0.00
ST0014	Overall LMA	Total LMA						
Sutter Maintenance Yard Murphy	Rating	Miles						
Slough at M&T Ranch	U	0.83						
		Maintena	nce Deficiancy					System
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	scence U Miles
Earthen Levee		200						230
Vegetation	0.18		0.18	21.63%				
LAAA Totalar	0.10	0.00	0.40	24 620/	0.00	0.00	0.00	0.00

0.18

21.63%

0.00

0.00

0.00

LMA Totals:

0.18

0.00

0.00

## Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

07000	Overell I MA	Total I MA						
ST0020	Overall LMA Rating	Total LMA Miles						
Sutter Maintenance Yard East-West Interceptor	U	4.79						
interceptor			5.01				Design 8	& System
Rated Item	M Miles	U Miles	nce Deficiancy M + 4U Miles	Threshold %	M Miles	ement U Miles	Obsole M Miles	U Miles
Earthen Levee	IVI IVIIIES	U ivilles	IVI + 40 IVIIIeS	Tillesilolu %	IVI IVIIIes	U Milles	IVI IVIIIES	O Miles
Vegetation	2.00		2.00	41.75%	0.02			
Trim / Thin Trees	0.50		0.50	10.44%				
Encroachments	0.13		0.13	2.71%	0.43			
Erosion / Bank Caving	0.49	0.03	0.61	12.73%	51.15			
Rivers, Channels & Designated Floodways	01.10	0.00	0.01	.2070				
Erosion / Bank Caving		0.01	0.04	0.83%				
Supplemental								
DWR UCIP Field Study					0.14			
LMA Totals:	3.12	0.04	3.28	68.46%	0.59	0.00	0.00	0.00
Unit No. 01 West Levee RB	Overall Unit	Total Unit						
Offic No. 01 West Levee RB	Rating	Miles						
ST0020	U	1.75						
010020		_	nce Deficiancy		Enforce	ement		& System
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	Obsole M Miles	U Miles
Earthen Levee	IVI IVIIIES	O ivilles	IVI + 40 IVIIIes	Tillesiloid /6	IVI IVIIIES	O Miles	IVI IVIIIES	O Miles
Vegetation	0.40		0.40	22.91%	0.02			
Trim / Thin Trees	0.49		0.49	28.07%				
Encroachments	0.01		0.01	0.57%	0.13			
Erosion / Bank Caving	0.02	0.03	0.14	8.02%	0.10			
Rivers, Channels & Designated Floodways	0.02	0.00	0.11	0.0270				
Erosion / Bank Caving		0.01	0.04	2.29%				
Supplemental								
DWR UCIP Field Study					0.02			
Unit Totals:	0.92	0.04	1.08	61.86%	0.17	0.00	0.00	0.00
Unit No. 02 East Levee LB	Overall Unit	Total Unit						
	Rating	Miles						
ST0020	U	3.05						_
Data diliana		Maintena	nce Deficiancy		Enforc	ement	Design 8 Obsole	& System scence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation	1.60		1.60	52.54%				
Trim / Thin Trees	0.01		0.01	0.33%				
Encroachments	0.12		0.12	3.94%	0.30			
Erosion / Bank Caving	0.47		0.47	15.43%				
Supplemental								
DWR UCIP Field Study					0.12			
Unit Totals:	2.20	0.00	2.20	72.24%	0.42	0.00	0.00	0.00

# Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

#### San Joaquin River Basin

NA0010	Overall LMA	Total LMA						
Lower San Joaquin Levee District	Rating	Miles						
	U	191.27						
Rated Item		Maintena	nce Deficiancy		Enforc	ement		& System scence
Nateu item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation	22.70	33.89	158.26	82.74%				
Trim / Thin Trees	0.05	0.02	0.13	0.07%				
Encroachments	0.06		0.06	0.03%	1.19	0.92		
Animal Control	2.08	0.08	2.40	1.25%				
Slope Stability	0.99	0.01	1.03	0.54%				
Erosion / Bank Caving	0.13	0.47	2.01	1.05%				
Crown Surface / Depressions / Rutting	11.09		11.09	5.80%				
Repair Gates		0.01	0.04	0.02%				
Supplemental								
DWR UCIP Field Study					2.91	0.06		
LMA Totals:	37.10	34.48	175.02	91.50%	4.10	0.98	0.00	0.00

# Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

Unit No. 01 San Joaquin River RB	Overall Unit Rating	Total Unit Miles						
NA0010	U	22.52						
		Maintena	nce Deficiancy		Enforc	ement		k System scence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Mile:
Earthen Levee								
Vegetation		4.98	19.92	88.46%				
Trim / Thin Trees	0.01		0.01	0.04%				
Encroachments	0.01		0.01	0.04%	0.01	0.54		
Animal Control	0.04	0.01	0.08	0.36%				
Erosion / Bank Caving		0.01	0.04	0.18%				
Crown Surface / Depressions / Rutting	1.09		1.09	4.84%				
Supplemental								
DWR UCIP Field Study					0.69	0.02		
Unit Totals:	1.15	5.00	21.15	93.92%	0.70	0.56	0.00	0.00
Unit No. 02A San Joaquin River LB	Overall Unit Rating	Total Unit Miles						
NA0010	U	7.87						
Detections		Maintena	nce Deficiancy		Enforc	cement		k System scence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Mile:
Earthen Levee								
Vegetation	2.66		2.66	33.80%				
Encroachments					0.01			
Animal Control	0.01		0.01	0.13%				
Erosion / Bank Caving		0.01	0.04	0.51%				
Crown Surface / Depressions / Rutting	2.30		2.30	29.23%				
Supplemental	ı		I					
DWR UCIP Field Study					0.19			
Unit Totals:	4.97	0.01	5.01	63.66%	0.20	0.00	0.00	0.00
Unit No. 02B San Joaquin River LB	Overall Unit Rating	Total Unit Miles						
NA0010	U	5.92					1	
Dated Have		Maintena	nce Deficiancy		Enforc	cement		& System scence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Mile
Earthen Levee						1		
Trim / Thin Trees	0.02	0.01	0.06	1.01%				
Encroachments	0.03		0.03	0.51%				
Crown Surface / Depressions / Rutting	1.23		1.23	20.78%				
Supplemental Supplemental	I		I		0.40	I	I	
DWR UCIP Field Study	4.00	0.04	4.00	00.000/	0.12	0.00	0.00	0.00
Unit Totals:	1.28	0.01	1.32	22.30%	0.12	0.00	0.00	0.00
Unit No. 03 San Joaquin River RB	Overall Unit Rating	Total Unit Miles						
NA0010	Α	2.10						
Rated Item		Maintena	nce Deficiancy			cement		System scence
Kateu Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Mile
Earthen Levee								
Animal Control	0.02		0.02	0.96%				
Supplemental Supplemental	T				0.00			
DWR UCIP Field Study	0.00	0.00	0.00	0.0001	0.03	0.00	0.00	0.00
Unit Totals:	0.02	0.00	0.02	0.96%	0.03	0.00	0.00	0.00

# Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

Unit No. 04 San Joaquin River LB	Overall Unit Rating	Total Unit Miles						
NA0010	A	1.41						
NA0010			nce Deficiancy		Enforc	ement		& System
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Mile:
Earthen Levee								
Encroachments					1.09			
Supplemental  DWR UCIP Field Study					0.06			
Unit Totals:	0.00	0.00	0.00	0.00%	1.15	0.00	0.00	0.00
Unit No. 05 East Side Bypass RB	Overall Unit	Total Unit						
	Rating	Miles						
NA0010	Α	34.85					Design 9	Custom
Rated Item			nce Deficiancy			ement	Obsole	& System scence
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Mile
Earthen Levee Encroachments	0.01		0.01	0.03%	0.02			
Animal Control	0.01		0.33	0.05%	0.02			
Slope Stability	0.01		0.01	0.03%				
Erosion / Bank Caving	0.12		0.12	0.34%				
Supplemental								
DWR UCIP Field Study					0.64	0.01		
Unit Totals:	0.47	0.00	0.47	1.35%	0.66	0.01	0.00	0.00
Unit No. 06 East Side Bypass LB	Overall Unit Rating	Total Unit Miles						
NA0010	U	36.47						
Date d Mana		Maintena	nce Deficiancy		Enforc	ement		& System scence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee Vegetation	20.01		20.01	54.87%				
Trim / Thin Trees	0.01		0.01	0.03%				
Encroachments	0.01		0.01	0.0378	0.01	0.34		
Animal Control	0.62	0.02	0.70	1.92%	0.01	0.04		
Slope Stability	0.68		0.68	1.87%				
Erosion / Bank Caving		0.34	1.36	3.73%				
Crown Surface / Depressions / Rutting	1.26		1.26	3.46%				
Supplemental								
DWR UCIP Field Study					0.48	0.01		
Unit Totals:	22.58	0.36	24.02	65.86%	0.49	0.35	0.00	0.00
Unit No. 07 Bear Creek Bypass RB	Overall Unit Rating	Total Unit Miles						
	Α	3.62						
NA0010			nce Deficiancy Enforcement			& System scence		
		Maintena	rice Deliciarity		Lilloid	CITICITE		
NA0010 Rated Item	M Miles	Maintena U Miles	M + 4U Miles	Threshold %	M Miles		M Miles	U Mile:
Rated Item  Earthen Levee			M + 4U Miles					U Mile:
Rated Item  Earthen Levee  Animal Control	M Miles		•	Threshold %				U Miles
Rated Item  Earthen Levee			M + 4U Miles					U Miles

# Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

Unit No. 08 Bear Creek Bypass LB	Overall Unit Rating	Total Unit Miles						
NA0010	Α	3.63						
		Maintena	nce Deficiancy		Enforc	ement	Design 8 Obsole	System
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles		
Earthen Levee								
Animal Control	0.24		0.24	6.61%				
Crown Surface / Depressions / Rutting	0.01		0.01	0.28%				
Supplemental			I					
DWR UCIP Field Study					0.07			
Unit Totals:	0.25	0.00	0.25	6.89%	0.07	0.00	0.00	0.00
Unit No. 09 Owens Creek Bypass RB	Overall Unit Rating	Total Unit Miles	U Rated Miles are present, so the Overall Unit Rating is M					
NA0010	M *	0.87	instead of A.	•				
Rated Item		Maintena	nce Deficiancy		Enforcement Design & Systom Obsolescer			
Nated Refit	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee		0.04	0.04	4 E 70/				
Repair Gates		0.01	0.04	4.57%				
Supplemental  DWR UCIP Field Study					0.02			
Unit Totals:	0.00	0.01	0.04	4.57% *	0.02	0.00	0.00	0.00
	0.00	0.01	0.01	1.07 70	0.02	0.00	0.00	0.00
Unit No. 10 Owens Creek Bypass LB	Overall Unit Rating	Total Unit Miles						
NA0010	A	0.80						
Rated Item		Maintena	nce Deficiancy		Enforc	ement	Design 8 Obsole	System scence
Nateu item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Supplemental	I		I					
DWR UCIP Field Study					0.01			
Unit Totals:	0.00	0.00	0.00	0.00%	0.01	0.00	0.00	0.00
Unit No. 11 Mariposa Bypass RB	Overall Unit Rating	Total Unit Miles						
NA0010	A	3.31						
Rated Item		Maintena	nce Deficiancy		Enforc	ement	Design 8 Obsole	
Nateu item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee	2.04		0.04	0.000/				
Animal Control	0.01		0.01	0.30%				
DWR UCIP Field Study					0.07			
Unit Totals:	0.01	0.00	0.01	0.30%	0.07	0.00	0.00	0.00
			0.01	0.0070	0.07	0.00	0.00	0.00
Unit No. 12 Mariposa Bypass LB	Overall Unit Rating	Total Unit Miles						
NA0010	Α	3.33					Design 8	System
Rated Item			nce Deficiancy			ement	Obsole	scence
Natou Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee	0.04		0.04	0.0007				
Animal Control	0.01		0.01	0.30%				
Supplemental  DWR UCIP Field Study					0.08			
Unit Totals:	0.01	0.00	0.01	0.30%	0.08	0.00	0.00	0.00
Office Foldis.	0.01	0.00	0.01	0.00 /0	0.00	0.00	0.00	0.00

# Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

Unit No. 13 Ash Slough RB	Overall Unit	Total Unit						
	Rating	Miles						
NA0010	Α	1.27					l 5 · 6	
Rated Item		Maintena	nce Deficiancy		Enforc	ement		& System scence
Nateu item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee	ı		T					
Encroachments					0.02	0.01		
Animal Control	0.01		0.01	0.79%				
Supplemental  DWR UCIP Field Study					0.02			
Unit Totals:	0.01	0.00	0.01	0.79%	0.04	0.01	0.00	0.00
	0.01	0.00	0.01	0.7070	0.01	0.01	0.00	0.00
Unit No. 14 Ash Slough LB	Overall Unit	Total Unit						
	Rating	Miles						
NA0010	Α	1.28					Design 8	& System
Rated Item			nce Deficiancy			ement	Obsole	scence
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee Animal Control	0.01		0.01	0.78%				
Supplemental	0.01		0.01	0.76%				
DWR UCIP Field Study					0.01			
Unit Totals:	0.01	0.00	0.01	0.78%	0.01	0.00	0.00	0.00
Unit No. 45 Demanda Olassati DD	0	T-1-111-7						
Unit No. 15 Berenda Slough RB	Overall Unit Rating	Total Unit Miles						
NA0010	U	2.03						
IVAOOTO			nce Deficiancy		Enforce	ement		& System
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles		M Miles	scence U Miles
Earthen Levee	IVI IVIIIES	O IVIIIes	IVI + 40 IVIIIe3	Tillesiloid /6	IVI IVIIICS	O ivilles	IVI IVIIICS	O Willes
Animal Control	0.01		0.01	0.49%				
Crown Surface / Depressions / Rutting	1.98		1.98	97.49%				
Supplemental								
DWR UCIP Field Study					0.02			
Unit Totals:	1.99	0.00	1.99	97.98%	0.02	0.00	0.00	0.00
Unit No. 16 Berenda Slough LB	Overall Unit	Total Unit						
ome nor to beloned clought be	Rating	Miles						
NA0010	U	1.96						
		Maintena	nce Deficiancy		Enforc	ement		& System scence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles		
Earthen Levee								
Animal Control	0.02	0.02	0.10	5.10%				
Crown Surface / Depressions / Rutting	1.95		1.95	99.37%				
Supplemental								· · · · · · · · · · · · · · · · · · ·
DWR UCIP Field Study					0.01			
Unit Totals:	1.97	0.02	2.05	104.47%	0.01	0.00	0.00	0.00

# Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

Unit No. 17 Chowchilla Canal Bypass RB	Overall Unit Rating	Total Unit Miles						
NA0010	U	16.09						
		Maintena	nce Deficiancy		Enforc	cement		& System escence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	
Earthen Levee							1	
Vegetation		5.14	20.56	127.77%				
Animal Control	0.39		0.39	2.42%				
Supplemental		I						ı
DWR UCIP Field Study					0.06			
Unit Totals:	0.39	5.14	20.95	130.20%	0.06	0.00	0.00	0.00
Unit No. 18 Chowchilla Canal Bypass	Overall Unit	Total Unit Miles						
LB	Rating							
NA0010	U	15.35			1		Design 8	& System
Rated Item			nce Deficiancy			cement	Obsole	scence
Traited Helli	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee		40.04	50.00	044.000/				
Vegetation	0.00	13.24	52.96	344.98%				
Animal Control	0.03	0.01	0.07	0.46%				
Supplemental  DWR UCIP Field Study					0.04			
Unit Totals:	0.03	13.25	53.03	345.44%	0.04	0.00	0.00	0.00
Offit Totals.	0.03	13.23	33.03	343.44 //	0.04	0.00	0.00	0.00
Unit No. 22A East Side Canal LB	Overall Unit Rating	Total Unit Miles						
NA0010	U	5.51						
2		Maintena	nce Deficiancy		Enforc	cement	Design &	& System escence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	
Earthen Levee								
Vegetation		0.01	0.04	0.73%				
Encroachments	0.01		0.01	0.18%	0.01			
Animal Control	0.26		0.26	4.72%				
Slope Stability		0.01	0.04	0.73%				
Erosion / Bank Caving	0.01	0.11	0.45	8.17%				
Crown Surface / Depressions / Rutting	1.27		1.27	23.07%				
Supplemental	I	Ī						
DWR UCIP Field Study					0.04			
Unit Totals:	1.55	0.13	2.07	37.60%	0.05	0.00	0.00	0.00
Unit No. 23 San Joaquin River RB	Overall Unit Rating	Total Unit Miles						
NA0010	U	10.24						
			nce Deficiancy		Enforc	cement		& System
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	1	M Miles	I I Miles
Earthen Levee	IVI IVIIIC3	O IVIIICS	IVI 1 40 IVIIICS	THICSHOID 70	IVI IVIIICS	O WIIICS	IVI IVIIICS	O IVIIICS
Vegetation	0.03	1.44	5.79	56.53%				
Trim / Thin Trees	0.01	0.01	0.05	0.49%				
Encroachments						0.02		
Animal Control		0.02	0.08	0.78%				
Slope Stability	0.30		0.30	2.93%				
Supplemental								
DWR UCIP Field Study					0.08	0.02		
Unit Totals:	0.34	1.47	6.22	60.73%	0.08	0.04	0.00	0.00

# Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

Unit No. 24 San Joaquin River LB	Overall Unit	Total Unit Miles						
	Rating							
NA0010	U	8.36			1		Design 8	& System
Rated Item		Maintena	nce Deficiancy		Enforc	ement	Obsole	scence
rated item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Mile
Earthen Levee		T					ı	
Vegetation		1.63	6.52	78.02%				
Encroachments					0.02	0.01		
Animal Control	0.02		0.02	0.24%				
Supplemental		I				l .	I	
DWR UCIP Field Study					0.07			
Unit Totals:	0.02	1.63	6.54	78.26%	0.09	0.01	0.00	0.00
Unit No. 25 Salt Slough RB	Overall Unit	Total Unit						
	Rating	Miles						
NA0010	U	2.49						
<b>5</b>		Maintena	nce Deficiancy		Enforc	ement		& System scence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	
Earthen Levee	<u> </u>							
Vegetation		7.45	29.80	1198.92%				
Supplemental		I						
DWR UCIP Field Study					0.06			
Unit Totals:	0.00	7.45	29.80	1198.92%	0.06	0.00	0.00	0.00
NA0011	Overall LMA	Total LMA						
Madera County FCWCA	Rating	Miles						
Madera County FCWCA	U	26.32						
			nce Deficiancy		Enforc	amant	Design 8	& System
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	Obsole M Miles	U Mile
Earthen Levee	IVI IVIIIES	O ivilles	IVI + 40 IVIIIes	Tillesiloid /6	IVI IVIIICS	O ivilles	IVI IVIIICS	O WING
Vegetation	5.12	46.49	191.08	725.93%				
Trim / Thin Trees	0.24	0.03	0.36	1.37%				
Encroachments	0.35	0.04	0.51	1.94%	1.06	0.12		
Animal Control	22.62	8.87	58.10	220.73%				
Slope Stability	0.96	0.85	4.36	16.56%				
Erosion / Bank Caving	0.00	0.00	1.00	10.0070				0.01
Crown Surface / Depressions / Rutting	1.52		1.52	5.78%				0.01
Rivers, Channels & Designated Floodways	1.02		1.02	3.7070				
Encroachments	0.01		0.01	0.04%				
Supplemental								
DWR Erosion Survey		0.08	0.32	1.22%				
DWR UCIP Field Study					0.19	0.04		

# Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

Haif No. 04 Act. Closest DD	Occasil Hait	Tatal Hait						
Unit No. 01 Ash Slough RB	Overall Unit Rating	Total Unit Miles						
NA0011	U	2.37						
		Maintena	nce Deficiancy		Enforc	ement		& System escence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	
Earthen Levee			I	I				
Vegetation	2.01	1.36	7.45	314.98%				
Trim / Thin Trees	0.01		0.01	0.42%				
Encroachments	0.19		0.19	8.03%	0.02	0.03		
Animal Control	2.25		2.25	95.13%				
Slope Stability	0.89	0.01	0.93	39.32%				
Supplemental				I	0.00	0.00	I	
DWR UCIP Field Study				.==/	0.03	0.02		
Unit Totals:	5.35	1.37	10.83	457.88%	0.05	0.05	0.00	0.00
Unit No. 02 Ash Slough LB	Overall Unit	Total Unit						
	Rating	Miles						
NA0011	U	2.04						
2		Maintena	nce Deficiancy		Enforc	ement		& System escence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	
Earthen Levee								
Vegetation	1.05	2.77	12.13	595.93%				
Trim / Thin Trees	0.15	0.01	0.19	9.33%				
Encroachments	0.10		0.10	4.91%	0.22	0.02		
Animal Control		1.67	6.68	328.18%				
Supplemental			T =			ı	ı	
DWR Erosion Survey		0.08	0.32	15.72%				
DWR UCIP Field Study					0.06			
Unit Totals:	1.30	4.53	19.42	954.07%	0.28	0.02	0.00	0.00
Unit No. 03 Berenda Slough RB	Overall Unit Rating	Total Unit Miles						
	U	1.51						
NA0011			D. C		- ·		Design 8	& System
Rated Item	M Miles	U Miles	nce Deficiancy M + 4U Miles	Threshold %	M Miles	U Miles	Obsole M Miles	U Miles
Earthen Levee								
Vegetation		2.97	11.88	785.14%				
Trim / Thin Trees	0.06	0.02	0.14	9.25%				
Encroachments	0.03		0.03	1.98%				
Animal Control	1.60	1.11	6.04	399.18%				
Slope Stability		0.01	0.04	2.64%				
Crown Surface / Depressions / Rutting	0.81		0.81	53.53%				
Supplemental			1	1		<u> </u>	· 	
DWR UCIP Field Study					0.02			
Unit Totals:	2.50	4.11	18.94	1251.73%	0.02	0.00	0.00	0.00

# Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

Unit No. 04 Berenda Slough LB	Overall Unit	Total Unit						
	Rating	Miles						
NA0011	U	2.28						
Date d Itare		Maintena	nce Deficiancy		Enforc	ement		& System escence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee							ı	ı
Vegetation		4.56	18.24	800.09%				
Trim / Thin Trees	0.02		0.02	0.88%				
Encroachments	0.02	0.02	0.10	4.39%	0.77			
Animal Control	0.04	1.83	7.36	322.84%				
Slope Stability		0.83	3.32	145.63%				
Supplemental Supplemental	I					0.04	I	I
DWR UCIP Field Study	0.00	7.04	00.04	4070.000/	0.77	0.01	0.00	0.00
Unit Totals:	0.08	7.24	29.04	1273.82%	0.77	0.01	0.00	0.00
Unit No. 05 Fresno River RB	Overall Unit	Total Unit						
	Rating	Miles						
NA0011	U	9.10						
		Maintena	nce Deficiancy		Enforc	ement	Design 8	& System escence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	1
Earthen Levee								
Vegetation	0.51	15.60	62.91	691.29%				
Encroachments	0.01		0.01	0.11%		0.05		
Animal Control	9.07	4.25	26.07	286.47%				
Crown Surface / Depressions / Rutting	0.71		0.71	7.80%				
Rivers, Channels & Designated Floodways								
Encroachments	0.01		0.01	0.11%				
Supplemental DWB LICID Field Study	I				0.02			
DWR UCIP Field Study	40.24	40.05	00.74	005.700/	0.03	0.05	0.00	0.00
Unit Totals:	10.31	19.85	89.71	985.79%	0.03	0.05	0.00	0.00
Unit No. 06 Fresno River LB	Overall Unit Rating	Total Unit Miles						
NA0011	U	9.03						
		Maintena	nce Deficiancy		Enforc	ement		& System escence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles		
Earthen Levee								
Vegetation	1.55	19.23	78.47	869.18%				
Encroachments		0.02	0.08	0.89%	0.05	0.02		
Animal Control	9.66	0.01	9.70	107.44%				
Slope Stability	0.07		0.07	0.78%				
Erosion / Bank Caving								0.01
Supplemental								
DWR UCIP Field Study					0.05	0.01		

# Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

NA0013	Overall LMA	Total LMA						
Merced Streams Group	Rating	Miles						
·	U	6.31						
Rated Item		Maintena	nce Deficiancy		Enforc	ement	Design 8 Obsole	
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation	0.73	0.17	1.41	22.36%				
Encroachments	0.01		0.01	0.16%		0.02		
Animal Control	0.52		0.52	8.25%				
Supplemental								
DWR UCIP Field Study					0.15			
LMA Totals:	1.26	0.17	1.94	30.76%	0.15	0.02	0.00	0.00

# Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

Unit No. 01 Black Rascal Diversion RB	Overall Unit	Total Unit						
	Rating	Miles						
NA0013	Α	1.61			1		Decise 6	Cuatam
Rated Item		Maintena	nce Deficiancy		Enforc	ement		& System scence
Nateu item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Mile
Earthen Levee	ı	T	I					
Vegetation	0.08		0.08	4.96%				
Supplemental DWD LICID Field Study					0.01			
DWR UCIP Field Study	0.00	0.00	0.00	4.069/	0.01	0.00	0.00	0.00
Unit Totals:	0.08	0.00	0.08	4.96%	0.01	0.00	0.00	0.00
Unit No. 02 Black Rascal Diversion LB	Overall Unit Rating	Total Unit Miles						
NA0013	Α	1.85						
		Maintena	nce Deficiancy		Enforc	ement	Design 8	& System scence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles		M Miles	U Mile
Earthen Levee		000		71110011010 70		•		0
Encroachments	0.01		0.01	0.54%		0.02		
Supplemental								
DWR UCIP Field Study					0.04			
Unit Totals:	0.01	0.00	0.01	0.54%	0.04	0.02	0.00	0.00
Unit No. 03 Owens Creek Diversion RB	Overall Unit Rating	Total Unit Miles						
NA0013	U	1.43						
147.0010			nce Deficiancy		Enforce	ement		& System
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles		M Miles	U Mile
Earthen Levee	IVI IVIIIeS	O ivilles	IVI + 40 IVIIIeS	Tillesiloid /6	IVI IVIIIES	O ivilles	IVI IVIIIES	O WITE
Vegetation	0.65	0.17	1.33	93.33%				
Animal Control	0.02		0.02	1.40%				
Supplemental								
DWR UCIP Field Study					0.04			
Unit Totals:	0.67	0.17	1.35	94.73%	0.04	0.00	0.00	0.00
	Overall Unit	Total Unit						
Unit No. 04 Owens Creek Diversion LB		Miles						
	Rating							
Unit No. 04 Owens Creek Diversion LB  NA0013		1.42	nos Definiones		Fatoro	t	Design 8	& System
	Rating U	1.42 Maintena	nce Deficiancy	Throshold 9/		ement	Obsole	scence
NA0013 Rated Item	Rating	1.42	nce Deficiancy M + 4U Miles	Threshold %	Enforce M Miles	ement U Miles	Design & Obsole	scence
NA0013  Rated Item  Earthen Levee	Rating U M Miles	1.42 Maintena	M + 4U Miles				Obsole	scence
NA0013  Rated Item  Earthen Levee  Animal Control	Rating U	1.42 Maintena		Threshold %			Obsole	scence
NA0013  Rated Item  Earthen Levee	Rating U M Miles	1.42 Maintena	M + 4U Miles				Obsole	& System sscence U Mile

# Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

NA0017 San Joaquin County Flood Control and	Overall LMA Rating	Total LMA Miles	however, U Rated Miles are present, so the Overall LMA						
Water Conservation District	M *	101.04	Rating is M i	instead of A.					
Rated Item		Maintena	nce Deficiancy		Enforc	& System scence			
Nated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
Earthen Levee									
Vegetation	1.73	0.01	1.77	1.75%	1.75	0.21			
Trim / Thin Trees	0.30		0.30	0.30%					
Encroachments	0.27		0.27	0.27%	23.11	1.50			
Animal Control	0.21	0.02	0.29	0.29%					
Slope Stability	0.19		0.19	0.19%					
Erosion / Bank Caving	0.31	0.01	0.35	0.35%					
Crown Surface / Depressions / Rutting	0.18		0.18	0.18%					
Concrete Floodwalls									
Monolith Joints	0.16		0.16	0.16%					
Rivers, Channels & Designated Floodways									
Vegetation & Obstructions	0.01		0.01	0.01%					
Supplemental									
DWR Erosion Survey	1.25	0.79	4.41	4.36%					
DWR UCIP Field Study					2.89	0.18			
LMA Totals:	4.61	0.83	7.93	7.85% *	27.75	1.89	0.00	0.00	

# Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

un ocuquin raver Busin (cont.)			I					
Unit No. 01 Littlejohn Creek LB	Overall Unit Rating	Total Unit Miles						
NA0017	Α	2.59						
Data di Nassa		Maintena	nce Deficiancy		Enforc	ement	Design 8 Obsole	& System scence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles		
Earthen Levee								
Encroachments					0.23	0.01		
Crown Surface / Depressions / Rutting	0.01		0.01	0.39%				
Supplemental		T	I			ı	ı	
DWR UCIP Field Study					0.07			
Unit Totals:	0.01	0.00	0.01	0.39%	0.30	0.01	0.00	0.00
Unit No. 02 Littlejohn Creek RB	Overall Unit	Total Unit						
•	Rating	Miles						
NA0017	Α	3.20						
		Maintena	nce Deficiancy		Enforc	ement		& System
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee	111 1111100	0 1111100	10 10 10 10 10 10 10 10 10 10 10 10 10 1	Till Colloid 70	101 1011100	O WIIIOO	111 1111100	O Willoo
Encroachments					0.01			
Slope Stability	0.01		0.01	0.31%				
Supplemental							1	
DWR UCIP Field Study					0.09			
Unit Totals:	0.01	0.00	0.01	0.31%	0.10	0.00	0.00	0.00
Unit No. 06 SPRR Drain LB	Overall Unit Rating	Total Unit Miles						
NA0017	A	0.46						
NAOU I			Enforce	ement		& System		
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee		I				I		
Animal Control	0.01		0.01	2.19%				
Slope Stability	0.01		0.01	2.19%				
Supplemental DWB LICID Field Cturt					0.04			
DWR UCIP Field Study	0.00	0.00	0.00	4.070/	0.01	0.00	0.00	0.00
Unit Totals:	0.02	0.00	0.02	4.37%	0.01	0.00	0.00	0.00
Unit No. 07 Bear Creek RB	Overall Unit Rating	Total Unit Miles						
NA0017	Α	16.11						
		Maintena	nce Deficiancy		Enforc	ement		& System
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles		I I Miles
Earthen Levee	IVI IVIIICS	O WIIIC3	IVI I 40 IVIIICS	THICSHOID 70	IVI IVIIICS	O WIIICS	IVI IVIIICS	O IVIIICS
Vegetation	0.56		0.56	3.48%	0.01			
Encroachments	0.03		0.03	0.19%	3.89	0.01		
Animal Control	0.01		0.01	0.06%				
Erosion / Bank Caving	0.01		0.01	0.06%				
Supplemental								
DWR UCIP Field Study					0.37	0.03		
Unit Totals:	0.61	0.00	0.61	3.79%	4.27	0.04	0.00	0.00
	II.	υ	I.	IL .			1	

# Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

Unit No. 08 Bear Creek LB	Overall Unit Rating	Total Unit Miles		Threshold Percer es are present, so				
NA0017	M *	15.32		•			Design 8	& System
Rated Item	M Miles		nce Deficiancy M + 4U Miles	Throphold 0/		ement	Obsole M Miles	U Miles
Earthen Levee	IVI IVIIIes	U Miles	IVI + 4U IVIIIes	Threshold %	IVI IVIIIes	U Miles	IVI IVIIIes	U Miles
Vegetation	0.65		0.65	4.24%	0.12			
Trim / Thin Trees	0.06		0.06	0.39%				
Encroachments	0.06		0.06	0.39%	2.11	0.41		
Animal Control	0.02		0.02	0.13%				
Slope Stability	0.04		0.04	0.26%				
Erosion / Bank Caving	0.04	0.01	0.08	0.52%				
Crown Surface / Depressions / Rutting	0.04		0.04	0.26%				
Concrete Floodwalls								
Monolith Joints	0.09		0.09	0.59%				
Supplemental		I					ı	
DWR UCIP Field Study					0.57	0.02		
Unit Totals:	1.00	0.01	1.04	6.79% *	2.80	0.43	0.00	0.00
Unit No. 09 Paddy Creek LB	Overall Unit Rating	Total Unit Miles						
NA0017	Α	1.53						
Rated Item		Maintena	nce Deficiancy		Enforc	ement		& System scence
Rated item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee			T.	T				
Encroachments					0.53	0.01		
Supplemental DWR UCIP Field Study					0.02			
Unit Totals:	0.00	0.00	0.00	0.00%	0.55	0.01	0.00	0.00
O'III Totalo.	0.00	0.00	0.00	0.0070	0.00	0.01	0.00	0.00
Unit No. 10 Paddy Creek RB	Overall Unit	Total Unit						
	Rating	Miles						
NA0017	A	1.41			1		Danier I	0.0
Rated Item		Maintena	nce Deficiancy		Enforc	ement		& System scence
Natod Rem	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee			1		4.04			
Encroachments					1.21			
Supplemental DWR UCIP Field Study					0.01			
Unit Totals:	0.00	0.00	0.00	0.00%	1.22	0.00	0.00	0.00
Om Totals.	0.00	0.00	0.00	0.0070	1.22	0.00	0.00	0.00
Unit No. 11 North Paddy Creek RB	Overall Unit Rating	Total Unit Miles						
NA0017	A	3.53					Dooise	& System
Rated Item		Maintena	nce Deficiancy		Enforc	ement		scence
Tatod Itom	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee	0.00		0.00	0.570/	4.00	0.07		
Encroachments	0.02		0.02	0.57%	1.68	0.07		
Erosion / Bank Caving	0.01		0.01	0.28%				
Supplemental DWR UCIP Field Study					0.12			
Unit Totals:	0.03	0.00	0.03	0.85%	1.80	0.07	0.00	0.00
Unit Totals.	0.03	0.00	0.03	0.00/0	1.00	0.07	0.00	0.00

# Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

Overall Unit Rating A M Miles	Total Unit Miles 3.51 Maintena U Miles	nce Deficiancy					
	Maintena	nce Deficiancy					
M Miles		nce Deficiancy					
M Miles	LL Miles			Enforc	ement	Design 8 Obsole	k System scence
1	O Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
				0.06			
0.01		0.01	0.29%	2.26			
0.01		0.01	0.29%				
0.04		0.04	1.14%				
				0.14			
0.06	0.00	0.06	1.71%	2.46	0.00	0.00	0.00
Overall Unit	Total Unit						
				l		Design 8	Svstem
						Obsole	scence
M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
				4.07			
				1.37			
				0.02			
0.00	0.00	0.00	0.009/		0.00	0.00	0.00
0.00	0.00	0.00	0.00%	1.39	0.00	0.00	0.00
Overall Unit Rating	Total Unit Miles						
A	1.38						
		nce Deficiancy		Enforc	ement		
M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
				1.20			
0.02		0.02	1.45%				
0.01		0.01	0.73%				
				0.09	0.02		
0.03	0.00	0.03	2.18%	1.29	0.02	0.00	0.00
	0.01 0.04  0.06  Overall Unit Rating A  M Miles  0.00  Overall Unit Rating A  M Miles	0.01 0.04  0.06  0.00  Overall Unit Rating Miles  A 1.38  Maintena  M Miles U Miles  0.00  Overall Unit Rating Miles  U Miles  U Miles  U Miles  U Miles  U Miles	0.01	0.01	0.01	0.01	0.01

# Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

Unit No. 15 Mormon Slough RB	Overall Unit Rating	Total Unit Miles		Threshold Perceres are present, so				
NA0017	M *	25.38	instead of A.			. 01.11. 1 101.11	.g .c	
			nce Deficiancy		Enforc	ement		& System
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles			U Miles
Earthen Levee								
Vegetation	0.08		0.08	0.32%	0.44			
Trim / Thin Trees	0.24		0.24	0.95%				
Encroachments	0.10		0.10	0.39%	4.59	0.49		
Animal Control	0.09	0.02	0.17	0.67%				
Slope Stability	0.11		0.11	0.43%				
Erosion / Bank Caving	0.06		0.06	0.24%				
Crown Surface / Depressions / Rutting	0.01		0.01	0.04%				
Concrete Floodwalls  Monolith Joints	0.07		0.07	0.28%				
Supplemental	0.07		0.07	0.2070				
DWR Erosion Survey	0.95		0.95	3.74%				
DWR UCIP Field Study					0.54	0.03		
Unit Totals:	1.71	0.02	1.79	7.05% *	5.57	0.52	0.00	0.00
Unit No. 16 Mormon Slough LB	Overall Unit Rating	Total Unit Miles						
NA0017	M	23.48						
1446617			nce Deficiancy		Enforc	ement		& System
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles		U Miles
Earthen Levee								
Vegetation	0.44	0.01	0.48	2.04%	1.12	0.21		
Encroachments	0.05		0.05	0.21%	3.73	0.50		
Animal Control	0.04		0.04	0.17%				
Erosion / Bank Caving	0.14		0.14	0.60%				
Crown Surface / Depressions / Rutting	0.12		0.12	0.51%				
Rivers, Channels & Designated Floodways	0.01		0.01	0.04%				
Vegetation & Obstructions Supplemental	0.01		0.01	0.04%				
DWR Erosion Survey	0.30	0.79	3.46	14.74%				
DWR UCIP Field Study					0.80	0.08		
Unit Totals:	1.10	0.80	4.30	18.31%	5.65	0.79	0.00	0.00
Unit No. 17 Potter Creek RB	Overall Unit Rating	Total Unit Miles						
NA0017	A	0.86						
Detections		Maintena	nce Deficiancy		Enforc	ement		& System escence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles		U Miles
Earthen Levee								
Encroachments					0.04			
Slope Stability	0.01		0.01	1.16%				
Supplemental DWR UCIP Field Study					0.03			
Unit Totals:	0.01	0.00	0.01	1.16%	0.07	0.00	0.00	0.00
Offic Foldis.	0.01	0.00	0.01	1.10/0	0.07	0.00	0.00	0.00

# Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

Unit No. 18 Potter Creek LB	Overall Unit Rating	Total Unit Miles						
NA0017	A	0.91						
Rated Item		Maintena	nce Deficiancy		Enforcement Design & Syst Obsolescence			
Nateu item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Encroachments					0.26			
Animal Control	0.02		0.02	2.21%				
Supplemental								
DWR UCIP Field Study					0.01			
Unit Totals:	0.02	0.00	0.02	2.21%	0.27	0.00	0.00	0.00

RD0001 Reclamation District No. 0001 Union	Overall LMA Rating	Total LMA Miles						
Island	M	1.14						
Rated Item		Maintena	nce Deficiancy		Enforc	ement	Design 8 Obsole	& System scence
Nateu Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Animal Control		0.04	0.16	14.06%				
Slope Stability	0.02		0.02	1.76%				
Erosion / Bank Caving	0.01		0.01	0.88%				
Flood Preparedness & Training	0.01		0.01	0.88%				
Supplemental								
DWR Erosion Survey	0.01		0.01	0.88%				
DWR UCIP Field Study					0.01			
LMA Totals:	0.05	0.04	0.21	18.45%	0.01	0.00	0.00	0.00

RD0017 Reclamation District No. 0017 Mossdale	Overall LMA Rating	Total LMA Miles	however, U Rated Miles are present, so the Overall LMA					
	M *	16.03	Rating is M instead of A.					
Rated Item		Maintena	tenance Deficiancy Enforcement Design & Obsoles					
Rated item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles U Miles M Miles			U Miles
Earthen Levee								
Vegetation	0.04		0.04	0.25%				
Animal Control		0.01	0.04	0.25%				
Supplemental								
DWR Erosion Survey	0.01	0.01	0.05	0.31%				
DWR UCIP Field Study					0.64	0.05		
LMA Totals:	0.05	0.02	0.13	0.81% *	0.64	0.05	0.00	0.00

### Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

# San Joaquin River Basin (cont.)

an Joaquin River Basin (cont.)									
Unit No. 01 French Camp Slough LB	Overall Unit Rating	Total Unit Miles							
RD0017	A	1.76							
5		Maintena	nce Deficiancy		Enforc	ement	Design 8 Obsole		
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles		
Supplemental		T							
DWR UCIP Field Study					0.04	0.01			
Unit Totals:	0.00	0.00	0.00	0.00%	0.04	0.01	0.00	0.00	
Unit No. 02 San Joaquin River RB	Overall Unit Rating	Total Unit Miles	U Rated Mile	es are present, so	nt is less than 10.00%; however, o the Overall Unit Rating is M				
RD0017	M *	14.27	instead of A.						
Dated Here		Maintena	nce Deficiancy		Enforc	ement	Design 8 Obsole		
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
Earthen Levee									
Vegetation	0.04		0.04	0.28%					
Animal Control		0.01	0.04	0.28%					
Supplemental		<u> </u>							
DWR Erosion Survey	0.01	0.01	0.05	0.35%					
DWR UCIP Field Study					0.60	0.04			
Unit Totals:	0.05	0.02	0.13	0.91% *	0.60	0.04	0.00	0.00	
RD0404 Reclamation District No. 0404 Boggs	Overall LMA Rating	Total LMA Miles							
55	U	4.10							
Rated Item		Maintena	nce Deficiancy		Enforc	ement	Design 8 Obsole	k System scence	
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
Earthen Levee									
Vegetation	1.23	0.01	1.27	30.95%					
Trim / Thin Trees	0.04	0.04	0.20	4.87%					
Encroachments	0.02	0.02	0.10	2.44%	0.03	0.01			
Animal Control	0.27	0.27	1.35	32.90%					

0.01

0.02

0.05

0.01

0.04

0.49%

1.22%

0.24%

0.98%

Slope Stability

Erosion / Bank Caving

Riprap Revetments

Crown Surface / Depressions / Rutting

0.02

0.01

0.01

0.04

# Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

Unit No. 01 San Joaquin River RB	Overall Unit Rating	Total Unit Miles						
RD0404	M	2.35						
Rated Item		Maintena	nce Deficiancy		Enforc	ement	Design & Obsoles	
Rated item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation	0.03	0.01	0.07	2.98%				
Trim / Thin Trees	0.02	0.03	0.14	5.96%				
Encroachments	0.02	0.01	0.06	2.55%	0.02	0.01		
Animal Control	0.01		0.01	0.43%				
Slope Stability	0.02		0.02	0.85%				
Erosion / Bank Caving	0.01		0.01	0.43%				
Riprap Revetments	0.04		0.04	1.70%				
Supplemental								
DWR Erosion Survey	0.02	0.01	0.06	2.55%				
DWR UCIP Field Study					0.10	0.03		
Unit Totals:	0.17	0.06	0.41	17.46%	0.12	0.04	0.00	0.00
Unit No. 02 French Camp Slough RB	Overall Unit	Total Unit						

Unit No. 02 French Camp Slough RB	Overall Unit Rating	Total Unit Miles						
RD0404	U	1.75						
Dated Hear		Maintena	nce Deficiancy		Enforc	ement		System scence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation	1.20		1.20	68.39%				
Trim / Thin Trees	0.02	0.01	0.06	3.42%				
Encroachments		0.01	0.04	2.28%	0.01			
Animal Control	0.26	0.27	1.34	76.37%				
Erosion / Bank Caving		0.01	0.04	2.28%				
Crown Surface / Depressions / Rutting	0.01		0.01	0.57%				
Supplemental			<u>'</u>					
DWR UCIP Field Study					0.05	0.01		
Unit Totals:	1.49	0.30	2.69	153.30%	0.06	0.01	0.00	0.00

RD0524 Reclamation District No. 0524 Middle Roberts Island	Overall LMA Rating	Total LMA Miles 6,20						
			nce Deficiancy		Enforc	k System scence		
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles		
Earthen Levee								
Vegetation	0.02	0.55	2.22	35.82%	0.01	0.06		
Trim / Thin Trees	0.19	0.96	4.03	65.02%	0.01			
Encroachments	0.09	0.07	0.37	5.97%	0.37	0.25		
Animal Control	0.31	0.20	1.11	17.91%				
Slope Stability	0.08	0.20	0.88	14.20%				
Erosion / Bank Caving	0.06	0.06	0.30	4.84%				
Crown Surface / Depressions / Rutting	0.05	0.04	0.21	3.39%				
Emergency Supplies & Equipment	0.06		0.06	0.97%				
Flood Preparedness & Training	0.06		0.06	0.97%				
Supplemental								
DWR Erosion Survey	0.03	0.38	1.55	25.01%				
DWR UCIP Field Study					0.34	0.03		
LMA Totals:	0.95	2.46	10.79	174.10%	0.73	0.34	0.00	0.00

# Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

RD0544	Overall LMA	Total LMA						
Reclamation District No. 0544 Upper	Rating	Miles						
Roberts Island	U	10.20						
Rated Item		Maintena	nce Deficiancy		Enforc	ement	Design 8 Obsole	& System scence
Rateu item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation	11.19	2.75	22.19	217.52%	0.42	0.07		
Trim / Thin Trees	0.30	0.33	1.62	15.88%				
Encroachments	0.17		0.17	1.67%	0.32	0.08		
Animal Control	0.56	0.22	1.44	14.12%				
Slope Stability	0.05	0.02	0.13	1.27%				
Erosion / Bank Caving	0.02	0.07	0.30	2.94%				
Crown Surface / Depressions / Rutting	0.16		0.16	1.57%				
Flood Preparedness & Training	0.10		0.10	0.98%				
Interior Drainage & Piping Systems								
Erosion Areas		0.01	0.04	0.39%				
Rivers, Channels & Designated Floodways				-				
Encroachments						0.01		
Supplemental								
DWR Erosion Survey	0.04	0.02	0.12	1.18%				
DWR UCIP Field Study					0.16	0.09		
LMA Totals:	12.59	3.42	26.27	257.51%	0.90	0.25	0.00	0.00

# Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

# San Joaquin River Basin (cont.)

an Joaquin River Basin (cont.)								
Unit No. 01 San Joaquin River LB	Overall Unit Rating	Total Unit Miles						
RD0544	U	6.05						
5		Maintena	nce Deficiancy		Enforc	ement	Design 8 Obsole	k System
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	
Earthen Levee								
Vegetation	7.24	2.18	15.96	263.95%		0.07		
Trim / Thin Trees	0.05	0.27	1.13	18.69%				
Encroachments	0.15		0.15	2.48%	0.17	0.06		
Animal Control	0.12	0.14	0.68	11.25%				
Slope Stability	0.04	0.02	0.12	1.98%				
Erosion / Bank Caving	0.02	0.04	0.18	2.98%				
Crown Surface / Depressions / Rutting	0.16		0.16	2.65%				
Supplemental DWR Erosion Survey	0.01	0.01	0.05	0.83%				
DWR UCIP Field Study	0.01	0.01	0.00	0.0070	0.08	0.07		
Unit Totals:	7.79	2.66	18.43	304.80%	0.25	0.20	0.00	0.00
O'm rotais.			10.10	001.0070	0.20	0.20	0.00	0.00
Unit No. 02 Old River RB	Overall Unit	Total Unit						
	Rating	Miles						
RD0544	U	4.15			1		Design 8	& System
Rated Item			nce Deficiancy			ement	Obsole	scence
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee Vegetation	3.95	0.57	6.23	149.95%	0.42			
Trim / Thin Trees	0.25	0.06	0.49	11.79%	0.42			
Encroachments	0.02	0.00	0.43	0.48%	0.15	0.02		
Animal Control	0.02	0.08	0.76	18.29%	0.13	0.02		
Slope Stability	0.01	0.00	0.01	0.24%				
Erosion / Bank Caving	0.01	0.03	0.12	2.89%				
Interior Drainage & Piping Systems		0.00	0.12	2.0070				
Erosion Areas		0.01	0.04	0.96%				
Rivers, Channels & Designated Floodways								
Encroachments						0.01		
Supplemental DWP Erosion Survey	0.03	0.01	0.07	1 600/				
DWR Erosion Survey DWR UCIP Field Study	0.03	0.01	0.07	1.68%	0.00	0.02		
Unit Totals:	4.70	0.76	7.74	186.29%	0.08	0.02	0.00	0.00
Unit Totals.	4.70	0.76	7.74	100.29%	0.03	0.05	0.00	0.00
RD1602	Overall LMA	Total LMA						
Reclamation District No. 1602 Del	Rating	Miles						
Puerto	U	6.24						
		Maintena	nce Deficiancy		Enforc	ement	Design 8 Obsole	k System
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee	T							
Vegetation	4.76		4.76	76.31%	0.01			
Encroachments	_	_	_		3.04	0.11		
Animal Control	0.28	0.02	0.36	5.77%				
Slope Stability Supplemental	0.02		0.02	0.32%				

DWR UCIP Field Study

LMA Totals:

5.06

0.02

5.14

0.00

0.03

3.08

82.40%

0.10

0.21

0.00

# Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

		T						
RD2031	Overall LMA Rating	Total LMA Miles						
Reclamation District No. 2031 Elliot	U	13.05						
			nas Definionav		Fofore	ement		k System
Rated Item	M Miles	1	nce Deficiancy	Threshold %			Obsole	
Earthen Levee	IVI IVIIIes	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Vegetation	0.36	0.53	2.48	19.00%	0.21			
Trim / Thin Trees	0.61	0.00	0.61	4.67%				
Encroachments	0.02		0.02	0.15%	0.72	0.07		
Animal Control	0.05		0.05	0.38%	02	0.07		
Slope Stability	0.01		0.01	0.08%				
Erosion / Bank Caving	0.04	0.03	0.16	1.23%				0.01
Flood Preparedness & Training	0.13	0.00	0.13	1.00%				0.01
Supplemental	0.10		0.10	1.0070				
DWR Erosion Survey	0.04		0.04	0.31%				
DWR UCIP Field Study					0.23			
LMA Totals:	1.26	0.56	3.50	26.81%	1.16	0.07	0.00	0.01
Unit No. 01 Stanislaus River LB	Overall Unit	Total Unit						
Olit No. 01 Otaliislaus River EB	Rating	Miles						
RD2031	U	7.07						
			nce Deficiancy		Enforc	ement		k System
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	Obsole M Miles	U Miles
Earthen Levee		•		7		•		•
Vegetation	0.35	0.53	2.47	34.92%	0.21			
Encroachments	0.02		0.02	0.28%	0.72	0.06		
Animal Control	0.05		0.05	0.71%				
Erosion / Bank Caving	0.04	0.03	0.16	2.26%				
Supplemental							1	
DWR Erosion Survey	0.04		0.04	0.57%				
DWR UCIP Field Study					0.16			
Unit Totals:	0.50	0.56	2.74	38.74%	1.09	0.06	0.00	0.00
Unit No. 02 San Joaquin River RB	Overall Unit	Total Unit						
	Rating	Miles						
RD2031	M	5.98						
		Maintena	nce Deficiancy		Enforc	ement	Design 8 Obsole	& System
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation	0.01		0.01	0.17%				
Trim / Thin Trees	0.61		0.61	10.20%				
Encroachments						0.01		
Slope Stability	0.01		0.01	0.17%				
Erosion / Bank Caving								0.01
Supplemental DWD LIGHT Field Street					0.07			
DWR UCIP Field Study	0.00	0.00	0.00	40.540/	0.07	0.04	0.00	0.04
Unit Totals:	0.63	0.00	0.63	10.54%	0.07	0.01	0.00	0.01

# Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

RD2058 Reclamation District No. 2058 Pescadaro	Overall LMA Rating M *	Total LMA Miles 6.58	Overall LMA Threshold Percent is less than 10.00%;     however, U Rated Miles are present, so the Overall LMA     Rating is M instead of A.					
Rated Item		Maintena	nce Deficiancy		Enforc	ement	Design 8 Obsole	System scence
Rated item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation	0.02		0.02	0.30%				
Encroachments		0.01	0.04	0.61%	0.43	0.02		
Animal Control	0.03		0.03	0.46%				
Erosion / Bank Caving		0.01	0.04	0.61%				
Supplemental								
DWR Erosion Survey	0.04		0.04	0.61%				
DWR UCIP Field Study					0.06	0.01		
LMA Totals:	0.09	0.02	0.17	2.58% *	0.49	0.03	0.00	0.00

RD2062 Reclamation District No. 2062 Stewart	Overall LMA Rating	Total LMA Miles						
	M	12.14						
Rated Item		Maintena	nce Deficiancy		Enforc	ement	Design 8 Obsole	System scence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation	0.38		0.38	3.13%				
Trim / Thin Trees	0.01		0.01	0.08%				
Slope Stability	0.01		0.01	0.08%				
Erosion / Bank Caving	0.20		0.20	1.65%				
Crown Surface / Depressions / Rutting	0.01		0.01	0.08%				
Supplemental								
DWR Erosion Survey	0.04	0.20	0.84	6.92%				
DWR UCIP Field Study					0.13	0.03		
LMA Totals:	0.65	0.20	1.45	11.94%	0.13	0.03	0.00	0.00

# Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

San Joaquin River Basin (cont.)								
Unit No. 01 San Joaquin River LB	Overall Unit Rating	Total Unit Miles						
RD2062	Α	2.64						
Date d Mars		Maintena	nce Deficiancy		Enforc	ement		& System scence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	
Earthen Levee Slope Stability	0.01		0.01	0.38%				
Supplemental								
DWR UCIP Field Study					0.03			
Unit Totals:	0.01	0.00	0.01	0.38%	0.03	0.00	0.00	0.00
Unit No. 02 Paradise Cut RB	Overall Unit Rating	Total Unit Miles						
RD2062	A	3.96					Design 8	& System
Rated Item			nce Deficiancy			ement	Obsole	scence
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Erosion / Bank Caving	0.01		0.01	0.25%				
Supplemental Supplemental	0.01		0.0.	0.2070				
DWR UCIP Field Study					0.06	0.02		
Unit Totals:	0.01	0.00	0.01	0.25%	0.06	0.02	0.00	0.00
Unit No. 03 Old River LB	Overall Unit Rating	Total Unit Miles						
RD2062	U	5.55						
Dated Hors		Maintena	nce Deficiancy		Enforcement			& System scence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles U Miles		M Miles	U Miles
Earthen Levee	0.00		0.00	0.050/				
Vegetation	0.38		0.38	6.85%				
Trim / Thin Trees Erosion / Bank Caving	0.01 0.19		0.01 0.19	0.18% 3.42%				
Crown Surface / Depressions / Rutting	0.19		0.19	0.18%				
Supplemental	0.01		0.01	0.1076				
DWR Erosion Survey	0.04	0.20	0.84	15.14%				
DWR UCIP Field Study					0.04	0.01		
Unit Totals:	0.63	0.20	1.43	25.77%	0.04	0.01	0.00	0.00
RD2063 Reclamation District No. 2063 Crows	Overall LMA Rating	Total LMA Miles		Threshold Perce Rated Miles are p				
Landing	M *	10.44					Design 8	& System
Rated Item	M Miles	Maintena U Miles	nce Deficiancy M + 4U Miles	Threshold %	Enforce M Miles	ement U Miles		U Miles
Earthen Levee		T						
Vegetation	0.22	0.08	0.54	5.17%				
Trim / Thin Trees	0.01		0.01	0.10%				
Encroachments					0.03	1.28		
Animal Control	0.09	0.07	0.37	3.54%				
Slope Stability	0.01		0.01	0.10%				
Supplemental  DWR UCIP Field Study					0.21	0.01		
LMA Totals:	0.33	0.15	0.93	8.91% *	0.24	1.29	0.00	0.00

# Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

RD2064	Overall LMA	Total LMA						
Reclamation District No. 2064 River	Rating	Miles						
Junction	U	11.65						
Rated Item		Maintena	nce Deficiancy		Enforc	ement		& System escence
Nateu item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee	0.40		0.40	24.420/				
Vegetation Encroachments	2.46		2.46	21.13%	0.01			
Animal Control	0.01		0.01	0.09%	0.01			
Supplemental	0.01		0.01	0.0976				
DWR UCIP Field Study					0.25	0.01		
LMA Totals:	2.47	0.00	2.47	21.21%	0.26	0.01	0.00	0.00
Unit No. 01 San Joaquin River RB	Overall Unit Rating	Total Unit Miles						
RD2064	Α	5.56						
		Maintena	nce Deficiancy		Enforc	ement	Design &	& System escence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Encroachments					0.01			
Animal Control	0.01		0.01	0.18%				
DWR UCIP Field Study	I				0.14	0.01		
Unit Totals:	0.01	0.00	0.01	0.18%	0.14	0.01	0.00	0.00
O'm Totals.		0.00	0.01	0.1070	0.10	0.01	0.00	0.00
Unit No. 02 Stanislaus River RB	Overall Unit Rating	Total Unit Miles						
Unit No. 02 Stanislaus River RB RD2064							Danier (	2 Overtone
RD2064	Rating	Miles <b>6.08</b>	nce Deficiancy		Enforc	ement	Design 8 Obsole	& System escence
RD2064 Rated Item	Rating	Miles <b>6.08</b>	nce Deficiancy M + 4U Miles	Threshold %	Enforce M Miles	ement U Miles	Design 8 Obsole M Miles	& System sscence U Miles
RD2064  Rated Item  Earthen Levee	Rating U M Miles	Miles 6.08 Maintena	M + 4U Miles			1	Obsole	escence
RD2064  Rated Item  Earthen Levee  Vegetation	Rating U	Miles 6.08 Maintena		Threshold % 40.43%		1	Obsole	escence
RD2064  Rated Item  Earthen Levee	Rating U M Miles	Miles 6.08 Maintena	M + 4U Miles			1	Obsole	escence
RD2064  Rated Item  Earthen Levee  Vegetation  Supplemental	Rating U M Miles	Miles 6.08 Maintena	M + 4U Miles		M Miles	1	Obsole	escence
RD2064  Rated Item  Earthen Levee  Vegetation  Supplemental  DWR UCIP Field Study  Unit Totals:	M Miles  2.46	Miles 6.08 Maintena U Miles  0.00	M + 4U Miles 2.46	40.43%	M Miles  0.11	U Miles	M Miles	U Miles
RD2064  Rated Item  Earthen Levee  Vegetation  Supplemental  DWR UCIP Field Study  Unit Totals:  RD2075	Rating U  M Miles  2.46  2.46  Overall LMA	Miles 6.08 Maintena U Miles  0.00  Total LMA	M + 4U Miles 2.46	40.43%	M Miles  0.11	U Miles	M Miles	U Miles
RD2064  Rated Item  Earthen Levee  Vegetation  Supplemental  DWR UCIP Field Study  Unit Totals:	Rating U  M Miles  2.46  2.46  Overall LMA Rating	Miles 6.08 Maintena U Miles  0.00  Total LMA Miles	M + 4U Miles 2.46	40.43%	M Miles  0.11	U Miles	M Miles	U Miles
RD2064  Rated Item  Earthen Levee  Vegetation  Supplemental  DWR UCIP Field Study  Unit Totals:  RD2075	Rating U  M Miles  2.46  2.46  Overall LMA	Miles 6.08 Maintena U Miles  0.00  Total LMA Miles 7.45	2.46 2.46	40.43%	0.11 0.11	U Miles 0.00	Obsole M Miles  0.00	U Miles  0.00
RD2064  Rated Item  Earthen Levee  Vegetation  Supplemental  DWR UCIP Field Study  Unit Totals:  RD2075	Rating U  M Miles  2.46  2.46  Overall LMA Rating	Miles 6.08 Maintena U Miles  0.00  Total LMA Miles 7.45	M + 4U Miles 2.46	40.43%	0.11 0.11	U Miles  0.00	Obsole M Miles  0.00  Design & Obsole	U Miles  0.00
RD2064  Rated Item  Earthen Levee  Vegetation  Supplemental  DWR UCIP Field Study  Unit Totals:  RD2075  Reclamation District No. 2075 McMullin  Rated Item  Earthen Levee	Rating U  M Miles  2.46  2.46  Overall LMA Rating U  M Miles	Miles 6.08 Maintena U Miles  0.00  Total LMA Miles 7.45 Maintena U Miles	M + 4U Miles  2.46  2.46  2.46  nce Deficiancy M + 4U Miles	40.43% 40.43% Threshold %	0.11 0.11	U Miles  0.00	Obsole M Miles  0.00  Design & Obsole	U Miles  0.00
RD2064  Rated Item  Earthen Levee  Vegetation  Supplemental  DWR UCIP Field Study  Unit Totals:  RD2075  Reclamation District No. 2075 McMullin  Rated Item  Earthen Levee  Vegetation	Rating U  M Miles  2.46  2.46  Overall LMA Rating U  M Miles  1.71	Miles 6.08 Maintena U Miles  0.00  Total LMA Miles 7.45 Maintena	M + 4U Miles  2.46  2.46  2.46  nce Deficiancy M + 4U Miles  7.15	40.43% 40.43% Threshold %	0.11 0.11	U Miles  0.00	Obsole M Miles  0.00  Design & Obsole	U Miles  0.00
RD2064  Rated Item  Earthen Levee  Vegetation Supplemental  DWR UCIP Field Study Unit Totals:  RD2075  Reclamation District No. 2075 McMullin  Rated Item  Earthen Levee  Vegetation Trim / Thin Trees	Rating U  M Miles  2.46  2.46  Overall LMA Rating U  M Miles	Miles 6.08 Maintena U Miles  0.00  Total LMA Miles 7.45 Maintena U Miles	M + 4U Miles  2.46  2.46  2.46  nce Deficiancy M + 4U Miles	40.43% 40.43% Threshold %	0.11 0.11	U Miles  0.00	Obsole M Miles  0.00  Design & Obsole	U Miles  0.00
RD2064  Rated Item  Earthen Levee  Vegetation  Supplemental  DWR UCIP Field Study  Unit Totals:  RD2075  Reclamation District No. 2075 McMullin  Rated Item  Earthen Levee  Vegetation  Trim / Thin Trees  Supplemental	Rating U  M Miles  2.46  2.46  Overall LMA Rating U  M Miles  1.71 0.02	Miles 6.08 Maintena U Miles  0.00  Total LMA Miles 7.45 Maintena U Miles	2.46  2.46  2.46  2.46  M + 4U Miles  7.15  0.02	40.43% 40.43% Threshold % 96.00% 0.27%	0.11 0.11	U Miles  0.00	Obsole M Miles  0.00  Design & Obsole	U Miles  0.00
RD2064  Rated Item  Earthen Levee  Vegetation Supplemental  DWR UCIP Field Study Unit Totals:  RD2075  Reclamation District No. 2075 McMullin  Rated Item  Earthen Levee  Vegetation Trim / Thin Trees Supplemental  DWR Erosion Survey	Rating U  M Miles  2.46  2.46  Overall LMA Rating U  M Miles  1.71	Miles 6.08 Maintena U Miles  0.00  Total LMA Miles 7.45 Maintena U Miles	M + 4U Miles  2.46  2.46  2.46  nce Deficiancy M + 4U Miles  7.15	40.43% 40.43% Threshold %	0.11 0.11 Enforce M Miles	U Miles  0.00	Obsole M Miles  0.00  Design & Obsole	U Miles  0.00
RD2064  Rated Item  Earthen Levee  Vegetation  Supplemental  DWR UCIP Field Study  Unit Totals:  RD2075  Reclamation District No. 2075 McMullin  Rated Item  Earthen Levee  Vegetation  Trim / Thin Trees  Supplemental	Rating U  M Miles  2.46  2.46  Overall LMA Rating U  M Miles  1.71 0.02	Miles 6.08 Maintena U Miles  0.00  Total LMA Miles 7.45 Maintena U Miles	2.46  2.46  2.46  2.46  M + 4U Miles  7.15  0.02	40.43% 40.43% Threshold % 96.00% 0.27%	0.11 0.11	U Miles  0.00	Obsole M Miles  0.00  Design & Obsole	U Miles  0.00

# Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

RD2085	Overall LMA	Total LMA	* Overall LMA	A Threshold Perce	ent is less th	nan 10.00%	í:	
Reclamation District No. 2085 Kasson	Rating	Miles	however, U Rating is M	Rated Miles are p	resent, so	the Overall	LMA	
	M *	6.28	,	instead of A.			Design 8	& System
Rated Item			nce Deficiancy			ement	Obsole	scence
5 // /	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee Vegetation					0.05	0.01		
Encroachments					0.52	0.01		
Animal Control	0.09		0.09	1.43%	0.02			
Slope Stability	0.04		0.04	0.64%				
Erosion / Bank Caving	0.04	0.02	0.08	1.27%				
Supplemental		0.02	0.00	1.27 /0				
DWR Erosion Survey	0.02		0.02	0.32%				
DWR UCIP Field Study					0.08			
LMA Totals:	0.15	0.02	0.23	3.66% *	0.65	0.01	0.00	0.00
Unit No. 01 San Joaquin River LB	Overall Unit Rating	Total Unit Miles						
RD2085	Α	5.29	-					
		Maintena	nce Deficiancy		Enforc	cement		& System
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles		M Miles	U Miles
Earthen Levee						l .	1	
Vegetation					0.05	0.01		
Encroachments					0.52			
Animal Control	0.09		0.09	1.70%				
Slope Stability	0.03		0.03	0.57%				
Supplemental DWD Fracian Survey	0.00		0.02	0.200/				
DWR Erosion Survey	0.02		0.02	0.38%	0.00			
DWR UCIP Field Study  Unit Totals:	0.14	0.00	0.14	2.659/	0.08	0.01	0.00	0.00
Unit Totals.	0.14	0.00	0.14	2.65%	0.65	0.01	0.00	0.00
Unit No. 02 San Joaquin River	Overall Unit Rating	Total Unit Miles						
RD2085	Α	0.70						
Rated Item		Maintena	nce Deficiancy		Enforc	cement		& System scence
Rated item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
No Items								
Unit Totals:	0.00	0.00	0.00	0.00%				
Unit No. 03 San Joaquin River	Overall Unit Rating	Total Unit Miles						
RD2085	U	0.29						
D. G. M.		Maintena	nce Deficiancy		Enforc	cement		& System scence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Slope Stability	0.01		0.01	3.39%				
Erosion / Bank Caving		0.02	0.08	27.14%				
Unit Totals:	0.01	0.02	0.09	30.53%	0.00	0.00	0.00	0.00

# Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

RD2089	Overall LMA	Total LMA								
Reclamation District No. 2089 Stark	Rating	Miles								
Notice and District Not 2000 Stark	U	2.86								
		Maintena	nce Deficiancy		Enforc	ement	Design & Obsole	& System		
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles				
Earthen Levee							<u> </u>			
Vegetation	0.45	0.46	2.29	80.13%	0.05					
Encroachments	0.04		0.04	1.40%	0.41	0.09				
Animal Control	0.12	0.17	0.80	27.99%						
Slope Stability	0.15		0.15	5.25%						
Erosion / Bank Caving	0.01		0.01	0.35%						
Crown Surface / Depressions / Rutting	0.06		0.06	2.10%						
Flood Preparedness & Training	0.03		0.03	1.05%						
Supplemental DWR Erosion Survey	0.03	0.01	0.07	2.45%						
DWR UCIP Field Study	0.03	0.01	0.07	2.43 /0	0.04	0.02				
LMA Totals:	0.89	0.64	3.45	120.72%	0.50	0.02	0.00	0.00		
LIVIA TOTAIS.	0.09	0.04	3.43	120.7270	0.50	0.11	0.00	0.00		
Unit No. 01 Old River RB	Overall Unit	Total Unit								
	Rating	Miles								
RD2089	U	1.51					Dooign 9	k System		
Rated Item		Maintena	nce Deficiancy		Enforcement					scence
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles		
Earthen Levee	0.43	0.25	1.43	94.56%			T T			
Vegetation Encroachments	0.43	0.25	0.02	1.32%	0.38					
Animal Control	0.02	0.01	0.02	4.63%	0.36					
Slope Stability	0.03	0.01	0.07	9.26%						
Crown Surface / Depressions / Rutting	0.14		0.14	2.65%						
Supplemental	0.04		0.04	2.03 //						
DWR Erosion Survey	0.02	0.01	0.06	3.97%						
DWR UCIP Field Study					0.03	0.02				
Unit Totals:	0.68	0.27	1.76	116.38%	0.41	0.02	0.00	0.00		
Unit No. 02 Salmon Slough RB	Overall Unit Rating	Total Unit Miles								
22222	U	1.35								
RD2089	U						Design 8	& System		
Rated Item			nce Deficiancy	<b>T</b>		ement	Obsole	scence		
Fautana Laura	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles		
Earthen Levee Vegetation	0.02	0.21	0.86	63.91%	0.05					
Encroachments	0.02	0.21	0.02	1.49%	0.03	0.09				
Animal Control	0.09	0.16	0.73	54.25%	0.00	0.00				
Slope Stability	0.01	0.10	0.01	0.74%						
Erosion / Bank Caving	0.01		0.01	0.74%						
Crown Surface / Depressions / Rutting	0.01		0.01	1.49%						
Supplemental	0.02		5.02	1.70/0						
DWR Erosion Survey	0.01		0.01	0.74%						
DWR UCIP Field Study					0.01					
Unit Totals:	0.18	0.37	1.66	123.37%	0.09	0.09	0.00	0.00		
Unit Totals:	0.18	0.37	1.66	123.37%	0.09	0.09	0.00	0.00		

# Fall 2009 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

RD2091 Reclamation District No. 2091 Chase	Overall LMA Rating	Total LMA Miles	however, U	Threshold Perce Rated Miles are p instead of A.					
	M *	7.51	rading to wr	motoda or 7 i.			Dooign	& System	
Rated Item		Maintena	nce Deficiancy			ement	Obsole		
Nated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
Earthen Levee			T	l		T	ı	ı	
Trim / Thin Trees			0.02	0.27%					
Animal Control		0.01	0.04	0.53%					
Slope Stability			0.01	0.13%					
Erosion / Bank Caving	0.03	0.01	0.07	0.93%					
Supplemental Supplemental			I		0.05	0.00			
DWR UCIP Field Study		2.22	0.14	4.000/	0.05	0.02	0.00	0.00	
LMA Totals.	0.06	0.02	0.14	1.86% *	0.05	0.02	0.00	0.00	
Unit No. 01 San Joaquin River RB	Overall Unit Rating	Total Unit Miles		Threshold Perceres are present, so					
RD2091	M *	7.46	instead of A		, and the second second				
		Maintena	nce Deficiancy		Enforc		& System scence		
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
Earthen Levee									
Trim / Thin Trees	0.01		0.01	0.13%					
Animal Control		0.01	0.04	0.54%					
Slope Stability	0.01		0.01	0.13%					
Erosion / Bank Caving	0.03	0.01	0.07	0.94%					
Supplemental									
DWR UCIP Field Study					0.04	0.02			
Unit Totals.	0.05	0.02	0.13	1.74% *	0.04	0.02	0.00	0.00	
Unit No. 02 San Joaquin River NA	Overall Unit Rating	Total Unit Miles							
RD2091	M	0.05							
		Maintena	nce Deficiancy		Enforc	ement		& System	
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	Obsole M Miles	U Miles	
Earthen Levee	IVI IVIIIOO	0 1111100	10 10 10 10 10 10 10 10 10 10 10 10 10 1	Timodridia 70	IVI IVIIIOO	0 1111100	141 1411100	0 1111100	
Trim / Thin Trees	0.01		0.01	20.00%					
Supplemental									
DWR UCIP Field Study					0.01				
Unit Totals.	0.01	0.00	0.01	20.00%	0.01	0.00	0.00	0.00	
		1							
RD2092	Overall LMA								
Reclamation District No. 2092 Dos Rios		Miles							
	A	3.71					Dosign 8	& System	
Rated Item		Maintena	nce Deficiancy		Enforc	ement		scence	
rator tom	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
Earthen Levee			T	I	4				
Encroachments					1.15				
Animal Control	0.02		0.02	0.54%					
Supplemental  DWR UCIP Field Study					0.00				
•		0.00	0.00	0.540/	0.09	0.00	0.00	0.00	
LMA Totals.	0.02	0.00	0.02	0.54%	1.24	0.00	0.00	0.00	

# Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

RD2094	Overall LMA	Total LMA							
Reclamation District No. 2094 Wathal	Rating	Miles							
rectalitation District No. 2004 Wathai	A	3.23							
		Maintena	nce Deficiancy		Enforc	ement	Design 8	& System escence	
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles		
Earthen Levee									
Encroachments					0.01				
Supplemental 5 NO HOLD 5 HOLD 5		<u> </u>			0.04		T	I	
DWR UCIP Field Study	0.00	0.00	0.00	0.000/	0.04	0.00	0.00	0.00	
LMA Totals:	0.00	0.00	0.00	0.00%	0.05	0.00	0.00	0.00	
Unit No. 01 San Joaquin River RB	Overall Unit Rating	Total Unit Miles							
RD2094	A	2.78							
B		Maintena	nce Deficiancy		Enforc	ement		& System escence	
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles		
Earthen Levee									
Encroachments					0.01				
Supplemental  DWR UCIP Field Study			 		0.04				
-	0.00	0.00	0.00	0.000/	0.04	0.00	0.00	0.00	
Unit Totals:	0.00	0.00	0.00	0.00%	0.05	0.00	0.00	0.00	
Unit No. 02 San Joaquin River	Overall Unit	Total Unit							
	Rating	Miles							
RD2094	A	0.45							
Rated Item		Maintena	nce Deficiancy		Enforc	ement	Design 8 Obsole	& System scence	
Nateu item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
No Items									
Unit Totals:	0.00	0.00	0.00	0.00%					
RD2095	Overall LMA Rating	Total LMA Miles							
Reclamation District No. 2095 Paradise Cut	U	4.86							
	J		nee Deficient			ement	Design 8	& System	
Rated Item	M Miles	U Miles	nce Deficiancy M + 4U Miles	Threshold %	M Miles	U Miles	Obsole M Miles	scence	
Earthen Levee	IVI IVIIIES	U ivilles	IVI + 40 IVIIIeS	Tillesiloid %	IVI IVIIIes	U lvilles	IVI IVIIIES	U Miles	
Vegetation	0.86		0.86	17.69%					
Encroachments					0.47	0.01			
Slope Stability	0.06		0.06	1.23%					
Erosion / Bank Caving	0.01		0.01	0.21%					
Supplemental									
DWR Erosion Survey	0.07		0.07	1.44%					
DWR UCIP Field Study					0.08				
LMA Totals:	1.00	0.00	1.00	20.57%	0.55	0.01	0.00	0.00	
			-	-					

# Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

			I					
Unit No. 01 Paradise Cut LB	Overall Unit Rating	Total Unit Miles						
RD2095	U	1.45						
		Maintena	nce Deficiancy		Enforc	ement	Design 8 Obsole	k System
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation	0.54		0.54	37.16%				
Encroachments					0.01			
Slope Stability	0.04		0.04	2.75%				
Supplemental								
DWR Erosion Survey	0.01		0.01	0.69%				
DWR UCIP Field Study					0.05			
Unit Totals:	0.59	0.00	0.59	40.60%	0.06	0.00	0.00	0.00
Unit No. 02 San Joaquin River LB	Overall Unit	Total Unit						
	Rating	Miles						
RD2095	M	3.41						
	Maintenance Deficiancy			Enforc	& System scence			
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation	0.32		0.32	9.39%				
Encroachments					0.46	0.01		
Slope Stability	0.02		0.02	0.59%				
Erosion / Bank Caving	0.01		0.01	0.29%				
Supplemental								
DWR Erosion Survey	0.06		0.06	1.76%				
DWR UCIP Field Study					0.03			
Unit Totals:	0.41	0.00	0.41	12.03%	0.49	0.01	0.00	0.00
DD200C	Overall LMA	Total LMA						
RD2096	Rating	Miles						
Reclamation District No. 2096 Wetherbee Lake	A	0.16						
Weller Dee Lake			D-fi-i			ement		k System
Rated Item	NA NAILee		nce Deficiancy	Throphold 0/			Obsole	
Earthen Levee	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Encroachments					0.06			
Slope Stability	0.01		0.01	6.07%	0.00			
Supplemental	0.01		0.01	3.37 73				
DWR UCIP Field Study					0.01			
•		<b> </b>	1					
LMA Totals:	0.01	0.00	0.01	6.07%	0.07	0.00	0.00	0.00

# Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

RD2101	Overall LMA	Total LMA						
Reclamation District No. 2101 Blewett	Rating	Miles						
	M	3.46						
D		Maintena	nce Deficiancy		Enforc	ement	Design 8 Obsole	& System scence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	
Earthen Levee				2.222/			ı	
Vegetation	0.01		0.01	0.29%	4.04			
Encroachments	0.00	0.04	0.40	0.000/	1.31			
Animal Control	0.06	0.01	0.10	2.89%				
Erosion / Bank Caving	0.01		0.01	0.29%				
Crown Surface / Depressions / Rutting	0.13		0.13	3.76%				
Supplemental  DWR Erosion Survey		0.08	0.32	9.26%				
DWR UCIP Field Study		0.00	0.02	3.2070	0.05	0.02		
LMA Totals:	0.21	0.09	0.57	16.49%	1.36	0.02	0.00	0.00
			0.01	.0070	1.00	0.02	0.00	0.00
Unit No. 01 San Joaquin River LB	Overall Unit	Total Unit Miles						
	Rating M	3.16						
RD2101	IVI				l		Design 8	& System
Rated Item			nce Deficiancy			ement	Obsole	scence
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee Vegetation	0.01		0.01	0.32%				
Encroachments	0.01		0.01	0.32 /6	1.31			
Animal Control	0.06	0.01	0.10	3.17%	1.51			
Erosion / Bank Caving	0.00	0.01	0.10	0.32%				
Crown Surface / Depressions / Rutting	0.01		0.13	4.12%				
Supplemental	0.13		0.13	4.1270				
DWR Erosion Survey		0.08	0.32	10.14%				
DWR UCIP Field Study					0.05	0.02		
Unit Totals:	0.21	0.09	0.57	18.05%	1.36	0.02	0.00	0.00
Unit No. 02 San Joaquin River (Spur Levee) RB	Overall Unit Rating	Total Unit Miles						
RD2101	Α	0.30						
		Maintena	nce Deficiancy		Enforc	ement		& System scence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
No Items  Unit Totals:	0.00	0.00	0.00	0.00%				
	-	_						
RD2107	Overall LMA	Total LMA						
Reclamation District No. 2107	Rating	Miles						
Mossdale Island	A	4.15					Design 8	& System
Rated Item			nce Deficiancy			ement	Obsole	scence
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee Vegetation					0.01			
Encroachments	0.02		0.02	0.48%	0.01			
Slope Stability	0.02		0.02	0.46%	0.01			
Supplemental	0.01		0.01	0.2470				
DWR UCIP Field Study					0.12	0.01		
LMA Totals:	0.03	0.00	0.03	0.72%	0.14	0.01	0.00	0.00

# Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR & USACE Erosion Survey

Unit No. 01 San Joaquin River LB	Overall Unit	Total Unit						
	Rating	Miles						
RD2107	A	2.33						
Rated Item	Maintenance Deficiancy				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation					0.01			
Encroachments	0.01		0.01	0.43%	0.01			
Supplemental								
DWR UCIP Field Study					0.10			
Unit Totals:	0.01	0.00	0.01	0.43%	0.12	0.00	0.00	0.00
Unit No. 02 Paradise Cut RB	Overall Unit Rating	Total Unit Miles						
RD2107	A	1.82						
Rated Item	Maintenance Deficiancy				Enforcement		Design & System Obsolescence	
						01110111	Obsole	
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles			scence
Earthen Levee	M Miles	U Miles	,	Threshold %				scence
	M Miles	U Miles	,	Threshold % 0.55%				scence
Earthen Levee		U Miles	M + 4U Miles					scence
Earthen Levee Encroachments	0.01	U Miles	M + 4U Miles  0.01	0.55%				scence
Earthen Levee  Encroachments Slope Stability	0.01	U Miles	M + 4U Miles  0.01	0.55%				scence